

TRANSIT BOOK

14.113.0084

66 61
64 62
63 60

No 48478

MADE BY

The Hicks-Judd Company

Bookbinders, Printers

Loose Leaf Systems

51-65 First St. San Francisco

★★ Give above number when ordering

Duplicate

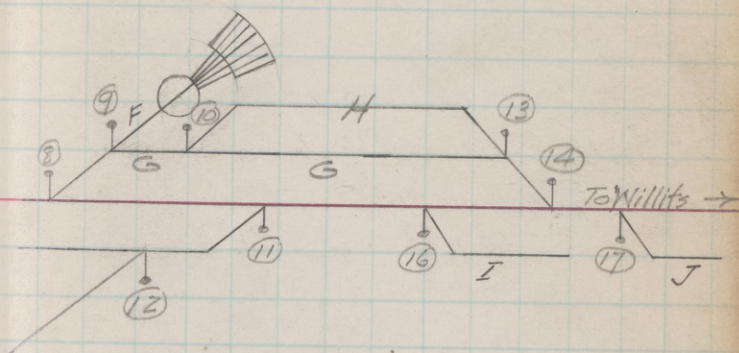
F. H. Sheldon
asst Eng
U. S. P. R. Co.
#1126 Phelan Bldg
San Francisco
Calif.

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UKIAH YARD.



See page #2

LIKIAH YARD.

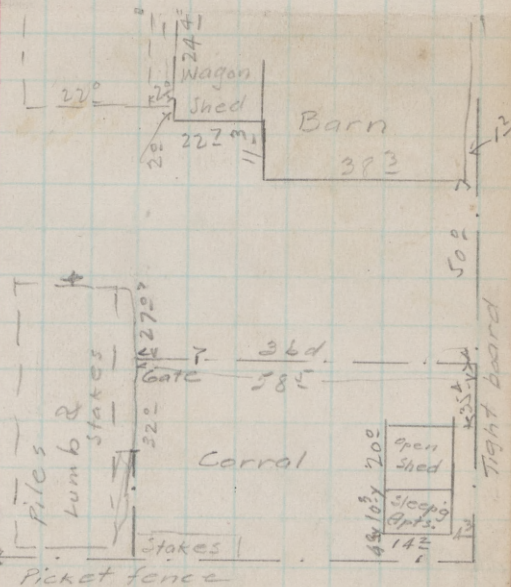
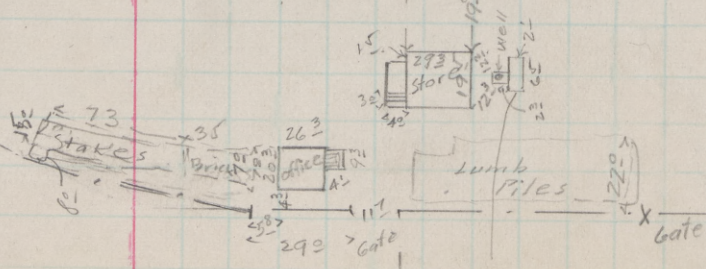
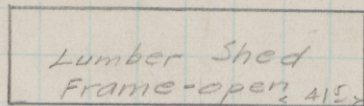
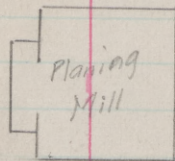
SWITCHES.

No.	Switch.				Guard Rails		Frog.			
	Kind	Lgth	Wt.	Std.			No.	Kind	Lgth	Wt.
1	Spl.	15'	65	L.S.	2-15	65 [#]	9	S.R.	15'	65 ^a
2	Spl.	15'	56	High	2-15	56 ^{Iron}	9	Rig	9'	56
3	Spl.	15'	65	L.S.	2-15	65	10	S.R.	15'	65
4	Spl.	15'	65	G.T.	2-15	65	9	S.R.	15'	65
5	Spl.	15'	65	L.S.	2-15	65	10	S.R.	15'	65
6	Spl.	15'	65	L.S.	2-15	65	9	S.R.	15'	65
7	Spl.	15'	65	L.S.	2-15	65	9	S.R.	15'	65
8	Spl.	15'	65	L.S.	2-15	65	10	S.R.	15'	65
9	Spl.	15'	65	L.S.	2-15	65	6	Rig	8'	65
10	Spl.	15'	56	High	1-15	56	9	Rig	9'	56
11	Spl.	15'	65	L.S.	2-15	65	9	S.R.	15'	65
12	Spl.	15'	56	High	2-15	56	9	Rig	9'	56
13	Stub.	-	56	Harp	1-15	56	9	Rig	9'	56
14	Spl.	15'	65	L.S.	2-15	56	9	S.R.	9'	65
15	Stub	-	56	Harp	1-10	56 ^{Iron}	9	Rig	9'	56
16	Spl.	15'	65	R.S.	2-15	56	9	S.R.	15'	65
17	Spl.	15'	65	L.S.	2-15	65	10	S.R.	15'	65

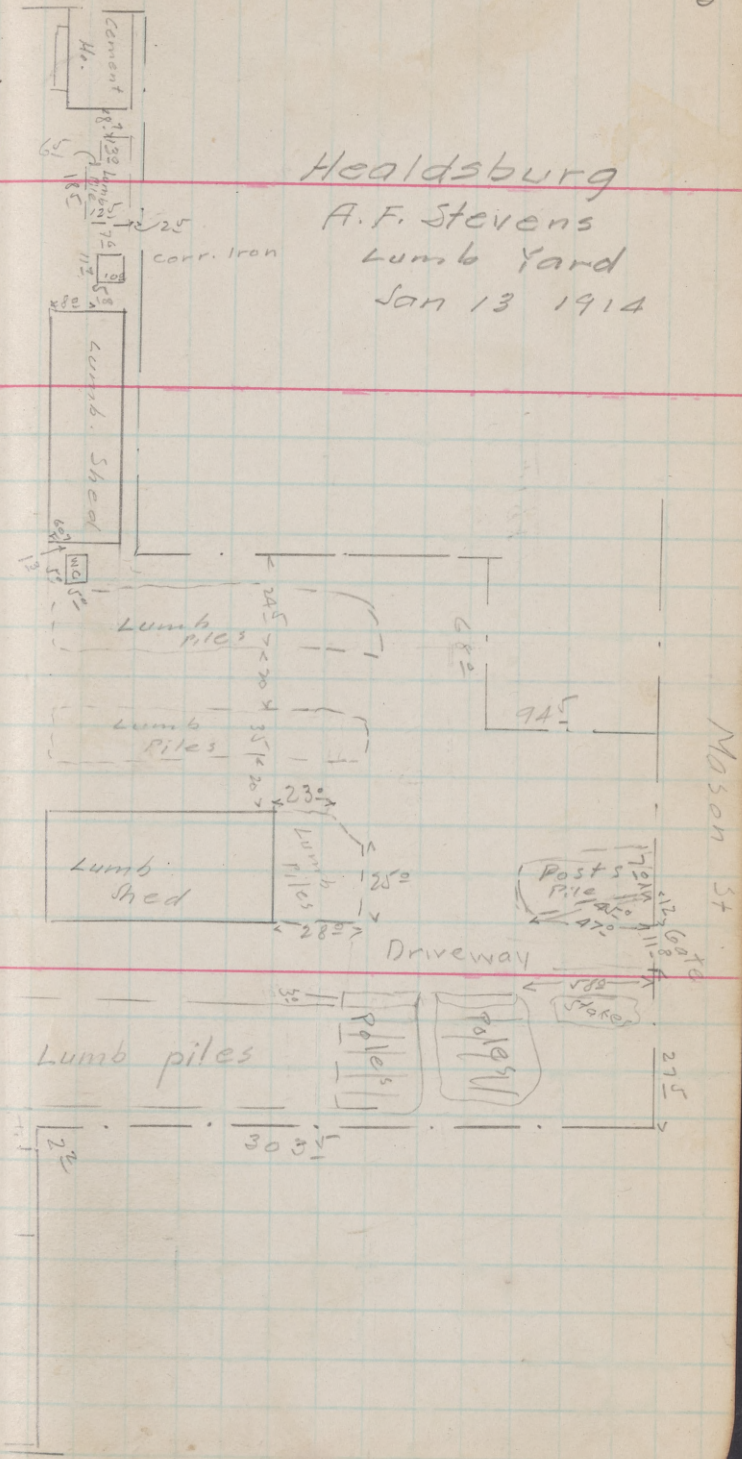
Radial Tracks at Rahse

A - "8-9' Rig Frogs

2-12'. 56[#] G.R. (5 pits 50' ea)



Healdsburg
A. F. Stevens
Lumb Yard
Jan 13 1914



Jan 19 '14

IGNACIO

Siding A

0+00 P.S.

65#

1+185

4" base

10+999

65#

12+195

4" base

14+568

65#

15+524

4" base

17+175

65#

18+194 P.S.

Siding B

0+00 P.S.

65#

1+004

4"

9+198

65#

10+125

4"

10+394

65#

11+335 P.S.

18+158
Beg Branch

(A)

10+69

0+00

14+632

(A)

(B)

11+094

(A)

11+185

14+185

148x5+00

7+216 Scale Trk P.S.

Spur C

0+00 P.S.

65#

0+886

4" 7+50 End Spur

0+00 P.S

$$21 + 28^3 = 65^{\frac{1}{2}}$$

P.S

Scale Track

0 + 0.0 65#

 $0+90^{\circ}$
$$3 + 316 \quad 56^{\text{th}}$$

$4 + 60.6$
 65^{th} Lt
 56^{th} R.

65#
4 + 90 = 6

56#

$$+18^{\circ} \begin{cases} 6+10^{\circ} R+ \\ 6+25^{\circ} L+ \end{cases} \quad 65^{\circ}$$

7+216 P.S

T. T. Spur

0 + 0 0 P.S.

3 + 81 = End 65

Gauntlet Trk

O + O O P.S.

$$Q + 45 \frac{75}{100} = 10$$

0+952

1 + 4 = 5 P.S.

cen -  3 CG. 25-B

3 C.G. 25-A

K 132. $21+24!$ ~~654~~ 1210

$$\angle 18 + 50$$

3 CG. 24. H

38. $y = 14^2 \times 130 = 8 + 28^4 = 0 + 00$ Scale Trk

[illegible]

41					
----	--	--	--	--	--

4.4	13.3	2.00
-----	------	------

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]






B

3-89

$$4+39$$

					-	4.
--	--	--	--	--	---	----

3 + 44 6 p.s.

44+39=83

4 + 0.4 = 4.4

Jan 19 1914

PETALUMA

House Spur

0+00

75#
{0+81 2 Rt
1+42 1 Lt

5+54 1/2 End Track

Silk Spur

0+00 P.S.

7+96 2 65#

50# Iron

12+04 1/2 End Trk.

Ho. Spur

Std Oil Spur

0+00 P.S.

0+89 65th56th

2+99 1-

50th Iron3+66 1-56th Iron

3+68 5

56th Iron

4+32 6

50th Iron

5+49 2 End Trk

5+48 4 13 2

5+00 4 14 2

5+00 4 15 2

Std Oil Spur

Silk Mill Spur

1204 2

150 4 15 2

2 1/8 + 0 0 0
2.5 + 0 0 0

2 60 2

Main Line To Sausalito

Long siding

Jan 19 1914

McNear's Spur

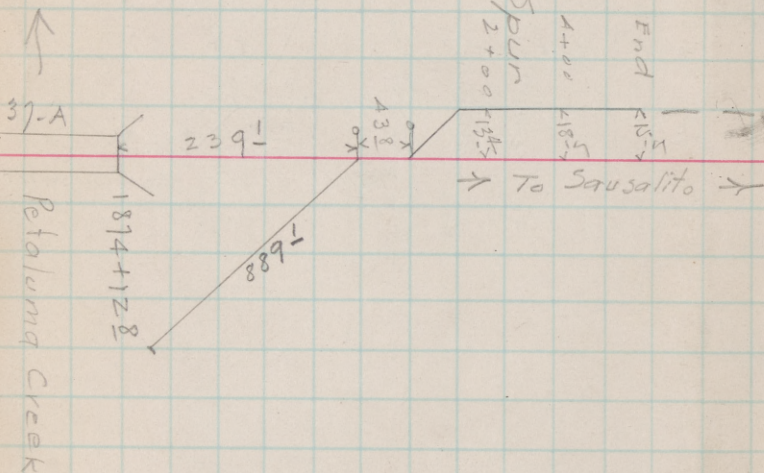
0+00 P.S.

1+082 65'

{ 6+178
6+320 50' Iron Rt
50' " Lt

50' Iron

8+89' - End

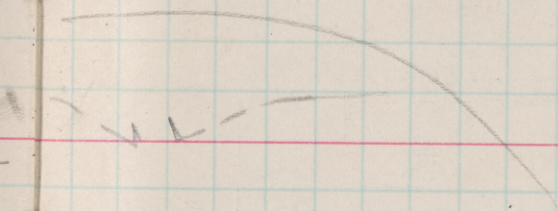


Crusher Spur

0+00

65"

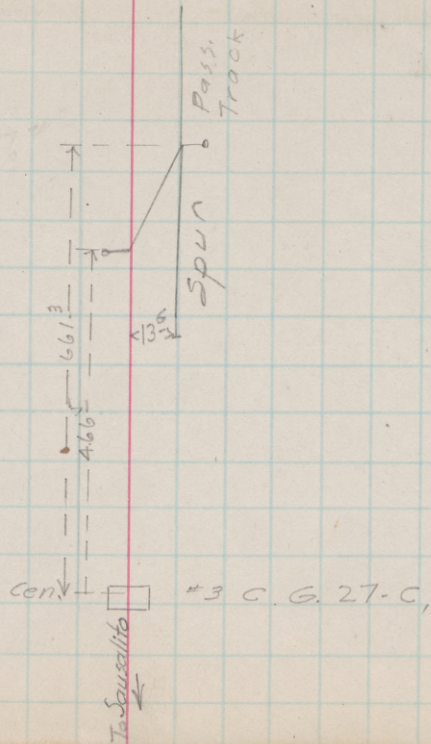
9+068 End



Jan 20 1914

NOVATO SPUR

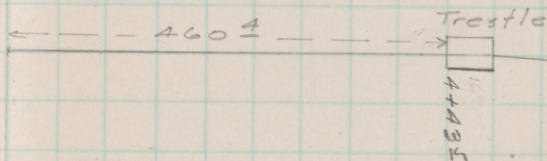
Spur
0+00
1+138 56 #
2+920 50" Iron End Track



SEBASTOPOL

Berry Growers Spur.

SANTA ROSA AVE.



Depot

Siding

→ To Santa Rosa M. L.

Jan. 22 1914.

GEYSERVILLE.

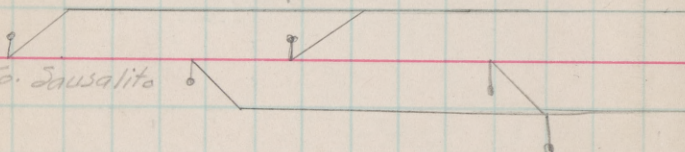
House Track & Standard

P.S. 3906 + 483

3916 + 211

Depot

← To. Jausalito



House Track

$$\begin{array}{r} \text{P.S. } 3906 + 483 \text{ M.L.} = \\ 0+00 \quad 65^\# \end{array}$$

2+67.5

17+10 56[#]65[#]22+76.5 75[#]

23+88.7 P.S.

Std Oil Spur

<18[°]

Std Oil Spur

Ho. Track 21+45⁶

P.S. Spur 0+00

65[#]

Cen #3 C.G. 76-B

4+56⁶

St. Xing

56th

4+70 End

X 3930+344

21+45⁶<18[°]

3794

X 3926+550

Jan 23 1914

SANTA ROSA.

3+99²

1-56# Iron
1-50# "

4+14²

65#

4+20² P.S. Spur out

6+69³

P.S. Siding = 4+48⁵ M.L.

P.S. 6+93²

P.S. 4+45⁸

P.S. 2+93⁹

P.S. 1+08⁴

End Spurs at 21²

P.S. 0+05⁷

0+00

To Ukiah

To Sebastopol

W. End Trestle

S. R. Creek

Spridgen Est. Track

Spridgeon Est. Spur

0+00 = End Spur

56" Steel

0+75

1-56" Steel

1-50" Iron

1+05

1-56" Steel

1-50" Steel

1+35²

56" Steel

1+52⁴

1-56" Steel

1-50" Iron

1+65³

1-50" Iron

1-56" Iron

1+82⁴

50" Iron

2+81⁴

1-56" Steel

1-50" Iron

3+11⁵

50" Iron

3+26³

50" Iron

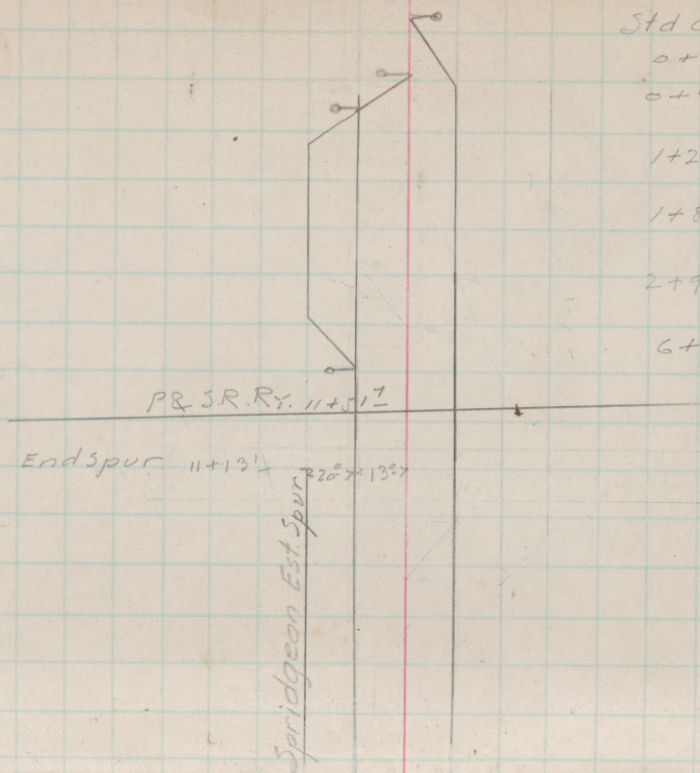
56" "

3+71²

56" Iron

3+99²

56" I



Std Oil Spur

0+00 = 6+93² M.L.

65"

0+90⁴

1-56" Iron

1-50" "

1+20⁴

50" Iron

1+80⁵

1-56" Iron

1-56" "

2+97²

56" Steel

6+73² End

Jan 23 1914

SANTA ROSA.

Spur to Grace Bros Brewery

M.L.

Sebastopol Siding

K. 0+00 P.S.

E. End Trestle

Santa Rosa Ck

Grace Bros Spur

0+00 P.S

65#

0+922

56#

2+393

1-56#

1-56# Iron

3+598

50#

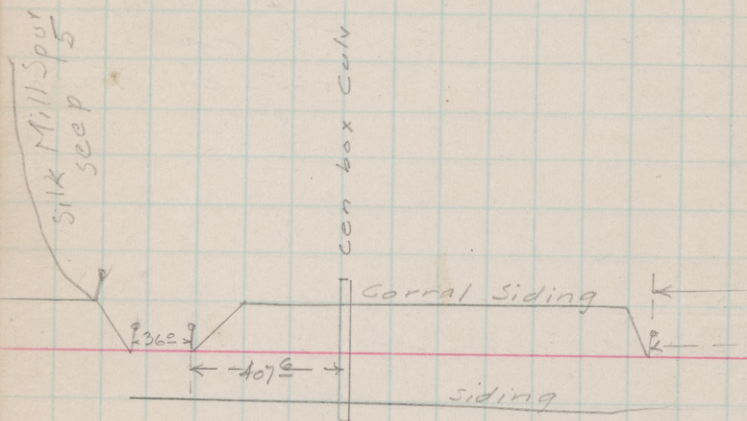
7+650 End Track

200

To SOUSALITO

Jan 23 1913

PETALUMA



Corral Siding.

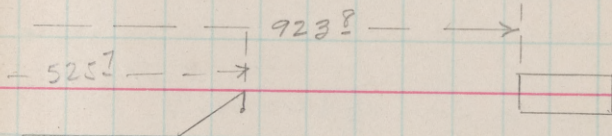
0 + 60 P.S.
75#

1 + 009

56# Iron

11 + 210
75#

12 + 70 = P.S.

E. End 37-B.
Trestle

Jan. 30, 1914

SAN RAFAEL

Standard Oil Co. Spun.

5673
All 65# Steel

To B. St. →

Old Line to San Q. uentin

HOPLAND - See opp. page.

$\frac{1}{2}$ "

1- Nipple

1- Reducer $\frac{3}{4}$ " - $\frac{1}{2}$ "

1- 5-H.P. Storer

Gas Engine

Storer Eng. Wks.

Freeport, Ill.

1- 4" Centrifugal

Pump. Gould's

#3

HOPLAND

Note - 2" pipe from tank to depot
& corral not incl. in figures below.

Pipe & fittings for water supply.

4"

73 ft pipe G.I.

1- Ell

2- Tees

1- " 4" thro. 2" side

2- Gate Valves

6- Nipples

2- Flange Unions

1- 45° Tee

1- Plug.

2- Bushings 4"-2½"

2½"

12 ft pipe

3- Ells

1- Tee

1- Plug

5- Nipples

2- Flange Unions

1- Gate Valve

1"

5 ft. pipe

3- Ells

3- Bushings 1"-¾"

1- Nipple

2"

5- Nipples

1- Union

1- Globe Valve

1- Iron Collar

2- Tees - 2" thro. 1" side

2- Tee - 2" " - ¾" "

3- Ells

1- Bushing 2" to ¾"

59 ft pipe

(see opp. page)

¾"

326 ft pipe

1- Cross

22- Nipples

2- Tees

19- Ells

2- Plugs

3- Unions

3- Bushings 1"-¾"

8- Globe Valves

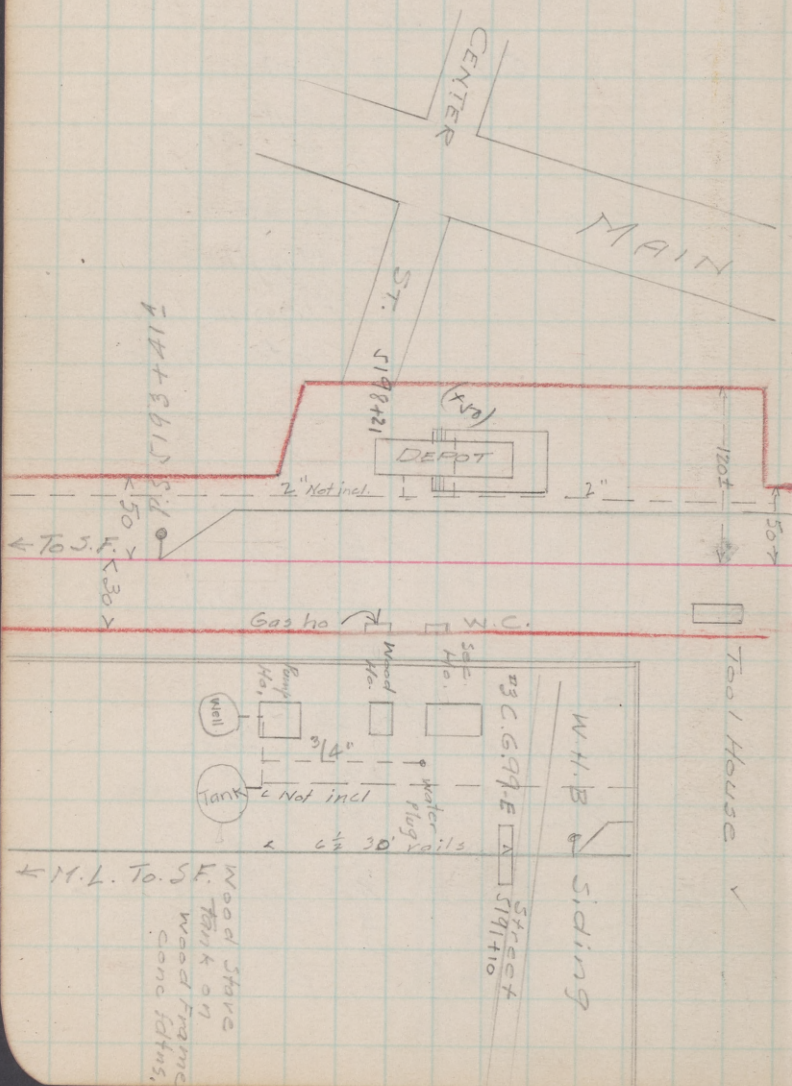
1- Needle Valve

1- Brass Cock

1- Cross Over

Mon. Feb. 9, 1914

HOPLAND



13

Pumper says about 30 ft deep.

Well - Exc. Earth - 2⁵ gravel fill around well

Brick lined 1 course endwise (8" thick)

8' diam. inside 8⁵ top of curb to water. Wood Cover

Matl. in cover 188 lin. ft. 2" x 6" + 26 lin. ft. 6" x 8" + 94 x 6"

1- 9° wood ladder in well (18° 2" x 2" + 11° 1" x 3")

14° high wood roof

Tank. Conc. Fdtn 18" on top 10" above ground

2- 11° long + 2- 22° long (No Exc - Filled in)

Sills - 65 ft 12" x 12" - Posts 12" x 12" x 12" - 12 posts Jail

Sw. Bracing 4" x 10" - 176 ft - Floor Joists 4" x 12"

Bottom " 30 ft 6" x 6"

1- 30° wood ladder - 2" x 2" sides + 1" x 4" rungs 14" ctoe

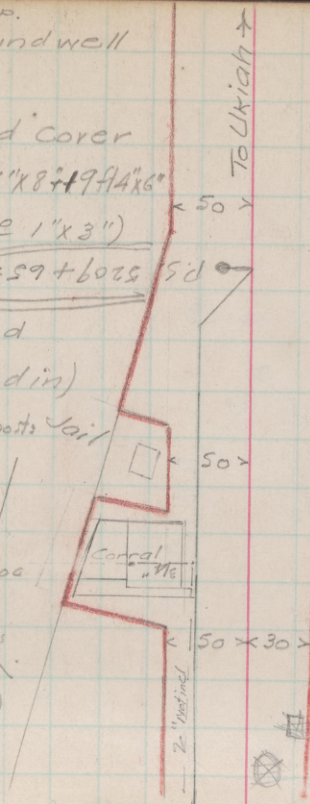
8" Galv. Iron Spout

36 - 5/8" x 18" bolts & Nuts

1- 5/8" U bolt 16" deep

88 plate washers

For bill of pipe & fittings see p 12

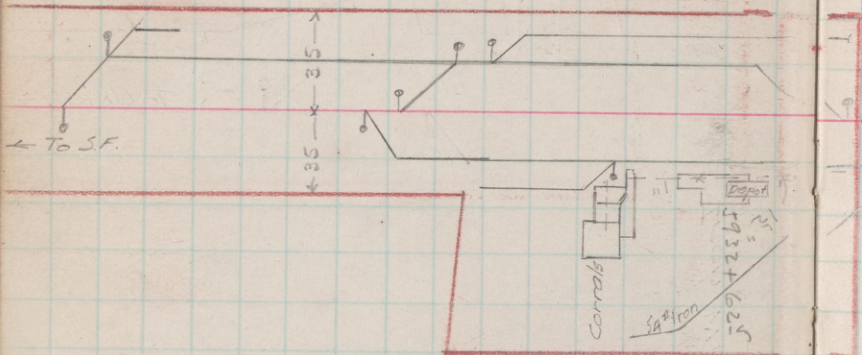


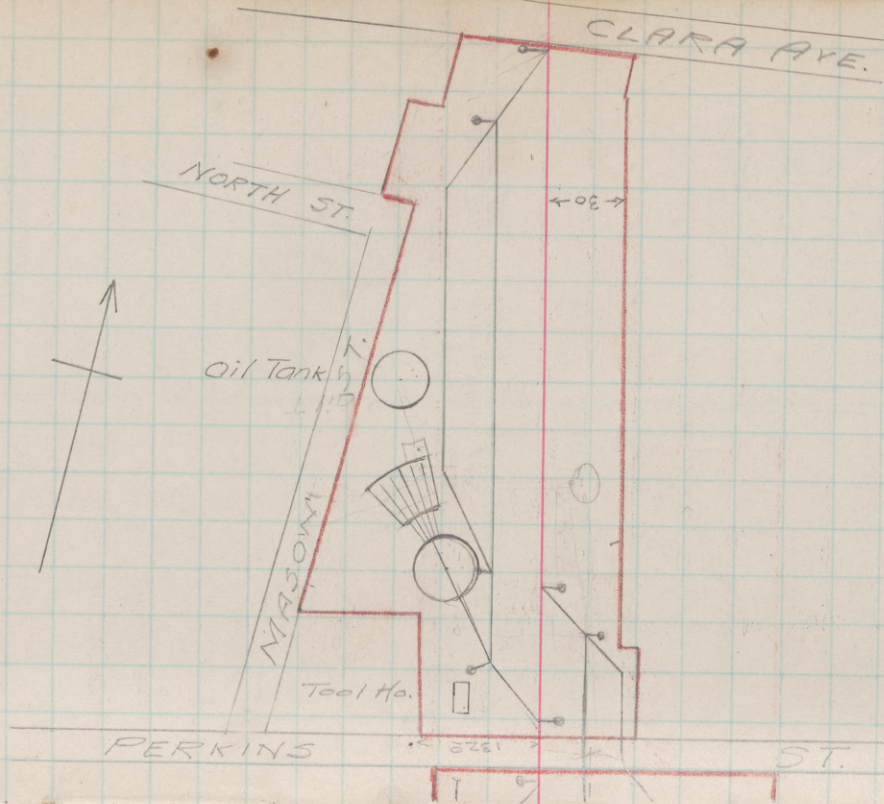
Iron Wind Mill (Gone)

Water Tank (Moved)

UKIAH

UKIAH T.T. Chords 632





UKIAH

ROUNDHOUSE WATER SUPPLY

1 1/2"
 ✓ 432 ft. black pipe
 ✓ 7 - Tees
 ✓ 14 - Ells
 ✓ 3 - Nipples
 ✓ 2 - Unions
 ✓ 2 - Gate Valves
 ✓ 1 - Bushing 1 1/2" - 1 1/4"
 ✓ 1 - " 1 1/4" - 1"
 ✓ 5 - " 1 1/2" - 1"
 ✓ 4 - Globe Valves
 ✓ 1 - Reducer 1 1/2" - 1 1/4"
 ✓ 1 - " 1 1/2" - 1"
 ✓ 1 - "Trident" Water Meter
 ✓ 35 ft asbestos packing

1"
 ✓ 58 ft pipe (black)
 ✓ 6 - Ells
 ✓ 7 - Globe Valves
 ✓ 5 - Nipples
 ✓ 1 - Reducer 1" - 3/4"
 ✓ 1 - " 1" - 3/8"
 ✓ 1 - Bushing 1" - 3/4"
 ✓ 1 - " 1" - 1/2"

1/2"
 ✓ 2 ft galv. pipe
 ✓ 1 - Ell
 ✓ 1 - Tee
 ✓ 1 - Union
 ✓ 7 - Nipples
 ✓ 1 - Globe Valve
 ✓ 1 - Bushing 1/2" - 1/4"

5/8"
 ✓ 1 - ft galv pipe
 ✓ 1 - Globe Valve

1 1/2"
 ✓ 158 ft. black pipe
 ✓ 5 - Tees
 ✓ 3 - Ells
 ✓ 1 - Plug
 ✓ 8 ft black pipe
 ✓ 1 - Tee
 ✓ 1 - Ell
 ✓ 1 - Union
 ✓ 1 - Globe Valve
 ✓ 1 - Bushing 1 1/4" - 1 1/2"
 ✓ 1 - Tee 1/2" outlet
 ✓ 3 - Nipples

✓ 25 - 1/2" rubber hose
 ✓ 2 ft 3/4" " "

600 ft 5" T. C. Drain pipe
 136 " 8" " " "

Ukiah - Fuel Oil
 Supply see
 page

UNIAH

CORRAL-WATER SUPPLY DEPOT SUPPLY

1 1/2"
 ✓ 100 ft galv. pipe
 ✓ 1 - Reducer 1 1/2" - 1"

1"
 ✓ 63 ft galv. pipe

1"
 ✓ 404 ft 1" galv. pipe
 ✓ 6 - Ells
 ✓ 4 - Nipples
 ✓ 3 - Tees 3/4" outlook
 ✓ 1 - Union
 ✓ 3 - Tees
 ✓ 1 - Plug
 ✓ 2 - Bibs
 ✓ 2 - Bushings 1" 3/4"
 ✓ 1 - " 1" 1/2"
 ✓ 1 - Reducer 1 1/2" - 1"

3/4"
 ✓ 34 ft galv. pipe
 ✓ 2 - Tees
 ✓ 2 - Ells
 ✓ 1 - Nipple
 ✓ 3 - Bibs

1"
 ✓ 52 ft galv. pipe
 ✓ 6 - Ells
 ✓ 1 - Tee
 ✓ 1 - Union
 ✓ 2 - Crosses
 ✓ 3 - Nipples

TANK SUPPLY ✓

1 1/2"
 ✓ 558 ft galv. pipe
 3 - Ells
 2 - Tees
 1 - " 1" outlook
 2 - Plugs
 3 - Bushings 1 1/2" - 1"

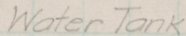
1 1/2"
 ✓ 406 ft galv. pipe
 ✓ 4 - Ells

1 - " 1" outlook
 2 - Bushings 1 1/2" - 1"

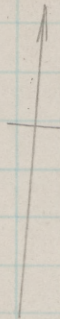
1 bored well 90 ft deep 10" casing } Not
 1 " " 80 " " 10" " } Used
 1 - dug well 35 diam X 30 deep } Not
 brick all way down. } used

191A

REDWOOD



RIDGEWOOD



C.S.H. Stand
15' #9-75 SR
2-8'3" 75 GR

*10 75 SR, 15' C.S.H. Stand
2-8'3" 75 GR

*9-65 SR, 15' L.S. Stand
2-15' 65 GR

Corral



T.T.



Sec Ho

< 50 x 50 >

to SF

<50 x 50>

250+0989 Sd

Sec. Ho

#10 SP 75' 15' C.S.H.
2-8'3" 75 GR Stand

1- Locomotive Appl co
1- Hayes Derails

Depot

Water tank

205+6489 Sd

#9 75' SP 15' C.S.H. stand
2-8'3" GR

RIDGEWOOD

For Section House

1"

✓ 1132 ft black pipe

✓ 1 - Ell

✓ 1 - Union

✓ 1 - Stop Cock

3/4"

✓ 65 ft galv. pipe

✓ 8 - Ells

✓ 5 - Bibs

✓ 2 - Tees

✓ 4 - Nipples

1 - Bath Tub

1 - Toilet

2 - Iron Sinks

Water Supply

For Tank

3"

351 ft pipe (blk)

1- 90° Ell

1- 45° "

Not Incl in
Revaluation

✓ 30 ft. 6" riveted
pipe

✓ 2 pc. 1" x 6" x 20' trough

(Ditch Exc.)

400 c.y. earth

160 " rock

2"

✓ 208 ft. black pipe

✓ 2- Ells

✓ 1- Tee

✓ 2- Tees 1" outlet

✓ 1- Nipple

✓ 1- Stop Cock

✓ 1- Cone Screen

8" at end

1' 6" long

Tank.

6" Spout.

Conc. Fdth 1' x 3'

✓ 1- 16' wood ladder

Wood conical roof.

1"

✓ 1- Cock & ball

✓ 1- Reducer 2" - 1"

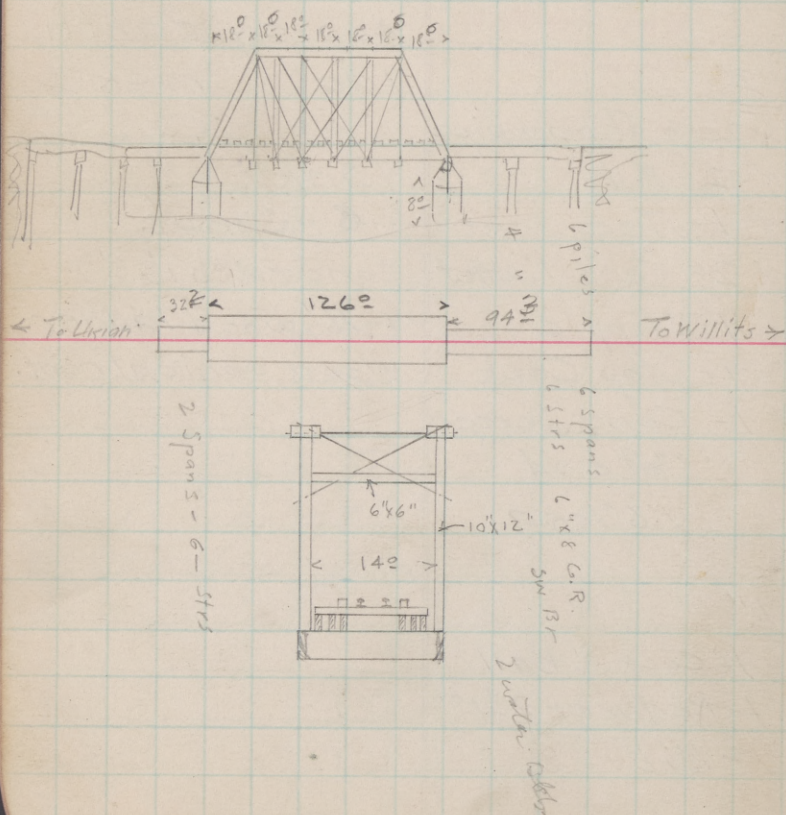
✓ 1- Bib

BRIDGE - 118-G

See also p 43

Piers 3 bents of 7 piles each
boxed in + zinc over top

126° Truss



IRVINE & MUIR MILL

Mill Siding

1 Mile W. of Willits

C. G. 136-G

4000 ft

x 20±

x 16+648

P.S.

L.S. Stand

#9. 3R65" Frog

2-11'65" G.R.

65' 100'

x 75' x 9+00

136-H



8+00

- 4- Posts 32 long
- 12"x12" Caps & Posts
- 4- 9"x16" Stringers
- 11± Frame Trestle
- 7- 7"x9" Pine Ties ✓
- 2- 6"x8" G.R.

4+64±

Fl. Bragg Rd

L.S. Stand 9.25 SR 15 2-15' 65" G.R.

No. 2 C. G. 137-A

POWES

Tank Water Supply

2"

308 ft. black iron pipe

1- Tee

5- Ells

1- Union

Spout ✓ 7 ft 4" C.I. Pipe.

✓ 3- 4" Ells

Tank 8' high wood stave

on ✓ 12- 6" x 8" x 8' posts

✓ 2- " sills

✓ 2- 6" x 8" x 13' "

✓ 2- " caps

✓ 2- 6" x 8" x 8' "

✓ Frame on mudsills

✓ 12- 6" x 8" x 8' ties - cover to springs

✓ 96 ft 3" x 12" box at "

EN CIMA

1- Loc. Ap. Co. Derrail

Tank Water Supply

 $1\frac{1}{2}$ "

✓ 494 ft. black pipe

✓ A - Ells

✓ 1 - Union

✓ 1 - Nipple

✓ 1 - Angle Valve

✓ 1 - Bushing $1\frac{1}{2}$ "- $1\frac{1}{4}$ "✓ 1 - " $1\frac{1}{2}$ "-1"
 8" opening, 8" long

✓ 1 - Galv. strainer

✓ 4" 27 ft C.I. Pipe

✓ A - Ells

✓ 1 - Nipple

✓ 1 - Gate Valve

Wood Stave Tank

1-16 ft wood ladder

(2"X4" posts- 12-1"X3"X20" rungs)

1-8' wood indicator

Frame

✓ 12 posts 8"X8"X4'

✓ 2 caps 8"X8"X10'

✓ 2 " 8"X8"X8'

✓ 511s same as caps

✓ 6-2"X6"X10' braces

✓ 10-2"X10"X8' floor str.

Frame for spout

✓ 1-1"X6"X6'

✓ 2-1"X6"X12'

✓ 1-2"X10"X6'

✓ 4-2"X10"X10'

✓ 2-3"X4"X8'

✓ 2-3"X12"X18'

✓ 1-4"X8"X10'

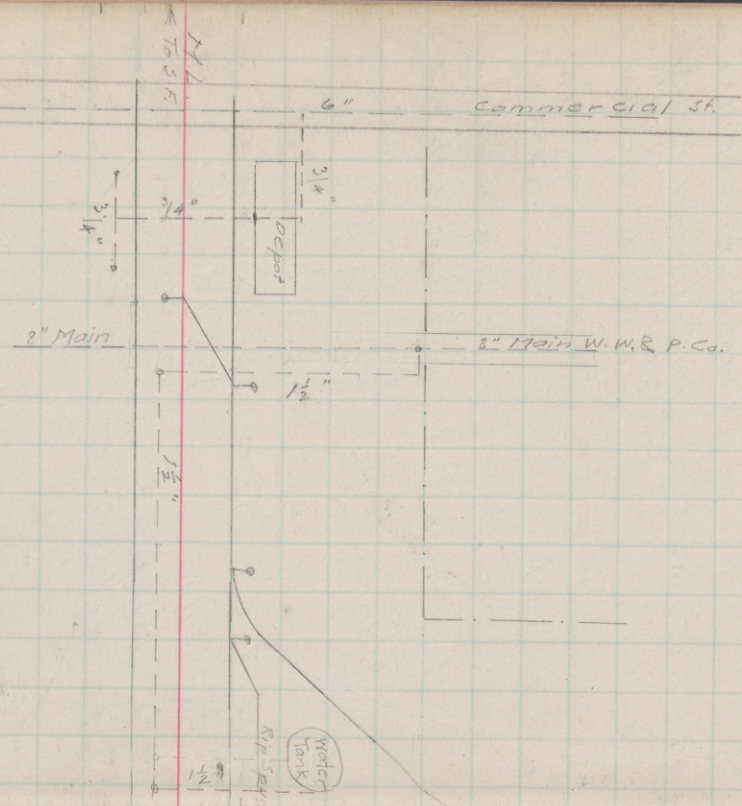
✓ 2-4"X8"X12'

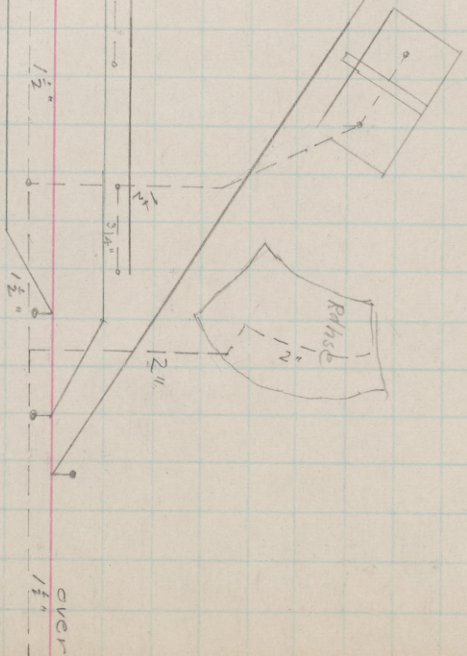
✓ 2-6"X6"X20'

1"

✓ 14 ft galv. pipe

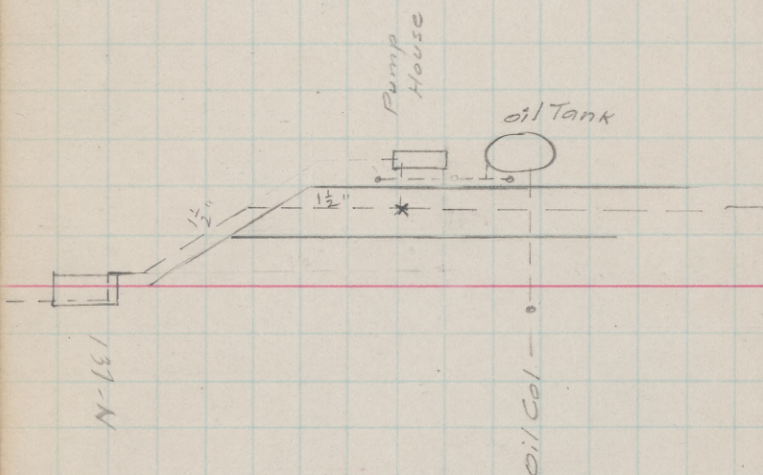
WILLITS





WILLITS

Water & Oil Supply

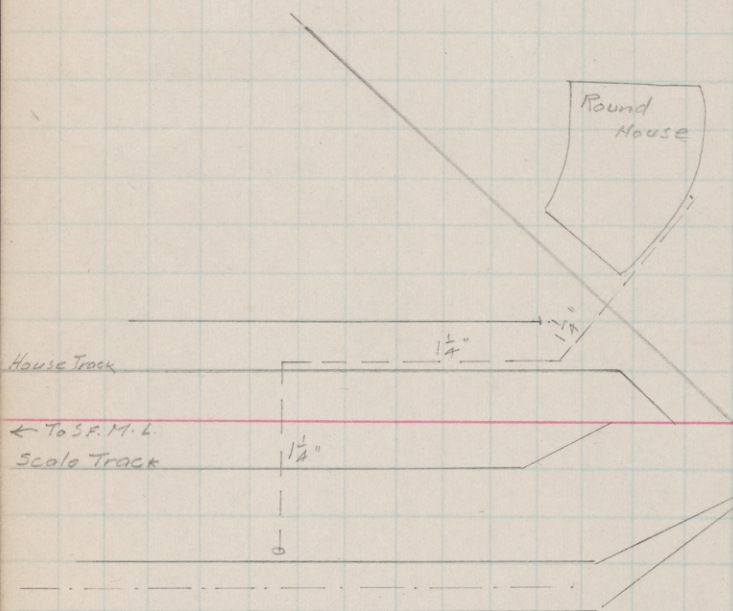


— — —

To Dog Rios →

WILLITS

Air pipes



WILLITS

Air pipes

$\frac{2}{2}$ " 92 ft black pipe

- 5 Tees
- 1 - Ell
- 1 - Plug
- 1 - Nipple
- 1 - Globe Valve
- 1 - Bushing 2" - 1 $\frac{1}{4}$ "
- 1 - " 2" - 1"

$\frac{1}{2}$ "

- 2 - Ells
- 5 - Nipples
- 1 - Globe Valve

2 - Air Drums 18" x 42"

1 - " " 24" x 30"

1 - Upright Boiler

Harron, Rickard & McGone
on 4' x 4' x 2' brick fctm

Stack 18" x 20'

14 - Rubber couplers

1 $\frac{1}{4}$ " x 2'

$\frac{1}{4}$ "
619 ft black pipe

- 28 - Ells
- 17 - Tees
- 44 - Nipples
- 14 - Unions
- 15 - Cocks
- 1 - Plug
- 2 - Globe Valves
- 3 - 45° Ells
- 1 - Ell Reducer 1 $\frac{1}{4}$ " - 1"
- 1 - Reducer 1 $\frac{1}{4}$ " - 1"

$\frac{1}{4}$ "
102 ft galv pipe

- 4 - Tees
- 4 - Ells
- 1 - Union
- 16 - Nipples
- 7 - Globe Valves
- 3 - Bushings 1" $\frac{3}{4}$ "
- 1 - Reducer 1" $\frac{3}{4}$ "
- 4 - " 1" $\frac{1}{2}$ "

$\frac{3}{4}$ "
30 ft. galv. pipe

- 48 - Nipples
- 45 - Ells
- 30 - Unions

WILLITS

Water Supply for Roundhse.

no

2"

✓ 244 ft black pipe

- ✓ 4 - Ells
- ✓ 6 - Tees
- ✓ 1 - Union
- ✓ 1 - Cap
- ✓ 1 - Plug
- ✓ 6 - Nipples
- ✓ 1 - Globe Valve
- ✓ 3 - Bushings 2" - 1½"
- ✓ 2 - Reducers 2" - 1½"

1½"

✓ 1086 ft black pipe

- ✓ 1 - Ell
- ✓ 3 - Tees
- ✓ 1 - Nipple
- ✓ 1 - Globe Valve
- ✓ 2 - Cocks
- ✓ 1 - Bushing 1½" - 1"

1¼"

- ✓ 1 - Globe Valve
- ✓ 1 - Nipple

1"

- ✓ 2 - Ells
- ✓ 1 - Tee
- ✓ 3 - Nipples
- ✓ 1 - 45° Tee
- ✓ 1 - Bushing 1" - ¾"

¾"

✓ 41 ft. galv. pipe.

- ✓ 15 - Nipples
- ✓ 2 - Cocks
- ✓ 4 - Unions
- ✓ 7 - Ells
- ✓ 1 - Tee
- ✓ 5 - Globe Valves
- ✓ 2 - Ell Reducers ¾" - ½"
- ✓ 1 - Haw's Drinking faucet
Berkeley, Cal.

✓ 3 - 50 ft 1½" canvas

Inse & couplings

WILLITS

Water Supply to
Corrals.

31

 $\frac{1}{2}$ "

✓ 552 ft. black pipe

✓ 1 - Union

✓ 3 - Tees

✓ 3 - Nipples

✓ 1 - Globe Valve

✓ 1 - Bushing $\frac{1}{2}$ " - 1"✓ 1 - " 1" - $\frac{3}{4}$ "

✓ 1 - Plug

✓ 2 - 45° Ells.

 $\frac{3}{4}$ " $\frac{1}{4}$ "

✓ 12 ft galv. pipe

✓ 1 - Bib.

✓ 2 - Cocks

✓ 2 - Nipples

✓ 2 - Ells

2 - Wood troughs
each containing

83 ft 3" X 12"

10 " 3" X 4"

6 " 4" X 6"

14 " 6" X 8"

6 - $\frac{5}{8}$ " X 24" bolts & nuts.

12 - cast washers

Rip Track
Water Supply.

20

 $\frac{1}{4}$ "

✓ 206 ft. black pipe

✓ 1 - Tee

✓ 1 - Ell

✓ 1 - Globe Valve

✓ 1 - Bushing $1\frac{1}{4}$ " - $\frac{3}{4}$ " $\frac{3}{4}$ "

✓ 163 ft. galv. pipe

✓ 3 - Tees

✓ 2 - Ells

✓ 4 - Cocks

✓ 1 - Bib

✓ 6 - Nipples

✓ 2 - Plugs

✓ 2 - Tees

✓ 1 - Bushing $1\frac{1}{4}$ " - 1"✓ 1 - " 1" - $\frac{3}{4}$ "

WILLITS

Water Tank
Supply.

22

- $\frac{8}{13}$ ft C.I. Pipe
 ✓ 1 - Gate Valve
 ✓ 1 - Flange Union
 ✓ 1 - Offset.

- $\frac{1}{2}$
 ✓ 107 ft. Black pipe
 ✓ 2 - Ells.
 ✓ 1 - Tee.
 ✓ 1 - Bib
 ✓ 1 - Cock
 ✓ 1 - Reducer $\frac{1}{2}$ " - $\frac{5}{8}$ "

- $\frac{1}{2}$ "
 ✓ 2 - Nipples.
 ✓ 2 - Bibs.

- $\frac{5}{8}$ "
 ✓ 2 - Nipples
 ✓ 1 - Tee
 ✓ 1 - Cock
 ✓ 1 - Hawk's Drinking Faucet

Wood Stave Tank - Wood Frame
 on 12 piles. Conical
 Wood roof. 1-32 ft. wood
 ladder (2"x4" posts - 1"x4" rungs)
 1-8" spout.

Depot
Water Supply

18

- $\frac{3}{4}$ "
 ✓ 238 ft galv. pipe
 ✓ 19 - Ells.
 ✓ 2 - Tees
 ✓ 4 - Cocks brass
 ✓ 6 - Nipples
 ✓ 1 - Shut Off
 ✓ 1 - Tee - $\frac{1}{2}$ " outlook.

- $\frac{1}{2}$ "
 ✓ 12 ft. galv. pipe.
 ✓ 1 - Ell.

3 - Patent Toilets.

1 - Bath Tub.

1 - Iron Sink

Hot
1 - Water Tank

WILLITS

Water Pipe
to Oil Pump
House.

31

 $\frac{1}{2}$ " $\sqrt{10\frac{1}{2}}$ ft. black pipe

- ✓ 5 - Tees.
- ✓ 4 - Ells.
- ✓ 2 - Unions
- ✓ 1 - Nipple
- ✓ 1 - Bib
- ✓ 3 - Plugs
- ✓ 1 - Reducer $\frac{1}{2}$ "-1"
- ✓ 2 - Bushings $\frac{1}{2}$ "-1"
- ✓ 1 - " 1"- $\frac{3}{4}$ "

1"

 $\sqrt{9}$ ft. black pipe

- ✓ 2 - Ells
- ✓ 1 - Tee
- ✓ 1 - Bib
- ✓ 3 - Nipples
- ✓ 1 - Cock
- ✓ 1 - Reducer 1"- $\frac{1}{2}$ "

 $\frac{5}{4}$ " $\sqrt{13}$ ft pipe

- ✓ 1 - Brass cock
- ✓ 1 - Tee
- ✓ 2 - Ells
- ✓ 1 - Globe Valve
- ✓ 2 - Bushings $\frac{3}{4}$ "- $\frac{1}{2}$ "

 $\frac{1}{2}$ " $\sqrt{23}$ ft. pipe

- ✓ 12 - Nipples
- ✓ 3 - Tees
- ✓ 6 - Ells
- ✓ 3 - Unions
- ✓ 1 - Cock
- ✓ 5 - Globe Valves
- 1 - Penberthy Injector

WILLITS.

Fuel Oil Supply

6"
 182 ft. C.I. Pipe
 ✓ 2 - Tees
 ✓ 5 - Ells
 + Swivel Expansion Joint
 ✓ 1 - 45° Ell
 ✓ 2 - Reducers 6"-4"
 ✓ 11 - Nipples
 ✓ 5 - Gate Valves
 ✓ 3 - Ell Reducers 6"-3½"

5"
 40 ft C.I. Pipe
 ✓ 2 - Ells
 ✓ 2 - Nipples
 ✓ 1 - Gate Valve

4"
 10 ft. C.I. Pipe

3½"
 4 ft C.I. Pipe
 ✓ 5 - Nipples
 ✓ 2 - Ells
 ✓ 1 - Gate Valve

2"
 26 ft. black pipe
 ✓ 3 - Tees
 ✓ 3 - Nipples
 ✓ 3 - Ells
 ✓ 1 - Globe Valve
 ✓ 1 - Union
 ✓ 3 - Reducers 2"-1"
 ✓ 2 - Bushings 2"-1½"

1½"
 15 ft. black pipe
 ✓ 2 - Ells
 ✓ 1 - Cock
 ✓ 1 - Nipple
 ✓ 1 - Globe Valve
 ✓ 1 - Bushing 1½"-1"
 ✓ 1 - Steam Whistle

1"
 55 ft. black pipe
 ✓ 13 - Nipples
 ✓ 13 - Ells
 ✓ 3 - Globe Valves
 ✓ 3 - Unions
 ✓ 2 - Tees
 ✓ 1 - Gate Valve
 ✓ 2 - Bushings 1"-¾"
 ✓ 3 - " 1"-½"

¾"
 132 ft pipe
 ✓ 1 - Bushing ¾"-½"
 ✓ 2 - Globe Valves
 ✓ 11 - Nipples
 ✓ 8 - Unions
 ✓ 4 - Tees
 ✓ 8 - Ells
 ✓ 1 - Plug

1"
 42 ft pipe
 ✓ 11 - Nipples
 ✓ 8 - Ells
 ✓ 3 - Globe Valves
 ✓ 3 - Unions
 ✓ 2 - Tees
 ✓ 1 - Bib
 ✓ 1 - Cock

WILLITS
Fuel oil Supply.

Steel oil tank on wood frame
on 69 piles - 1- Wood ladder.

1- "Post, Galesburg, Ill," Upright
boiler on 4'x4'x2' brick fdtn

1- 18" x 16' stack.

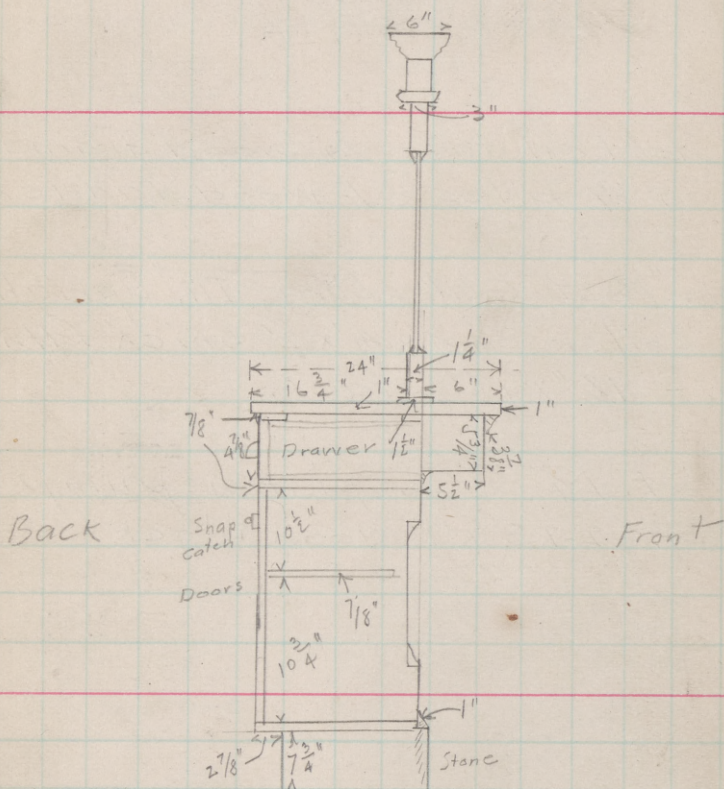
1- F. M & Co. piston pump
on 2'x5'x6" wood block

SAN FRAN

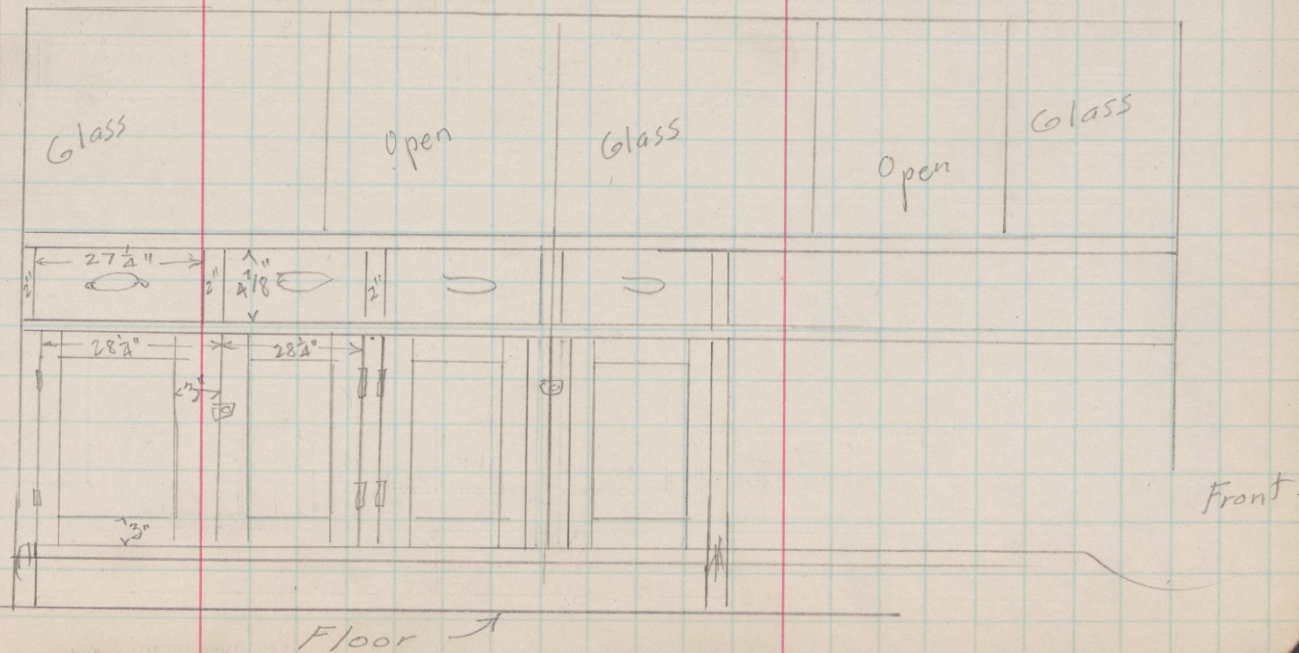
Ferry Bldg.

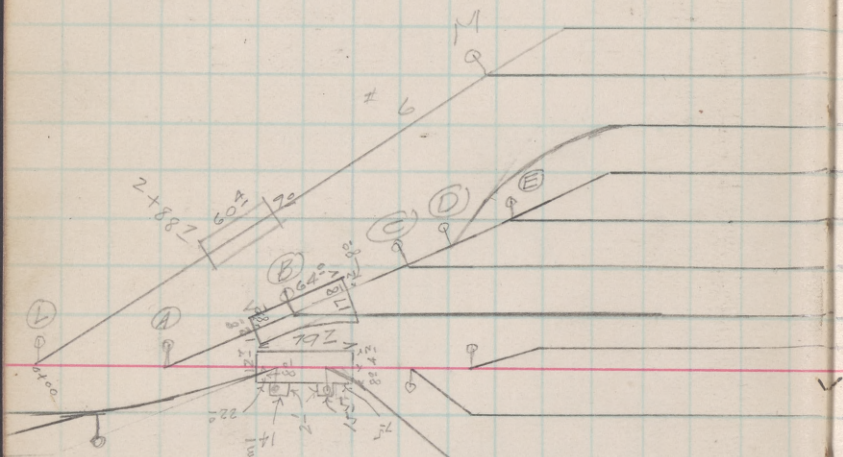
Detail of Windows at Inf. Bureau

Section A-A



Back Elev of Counter





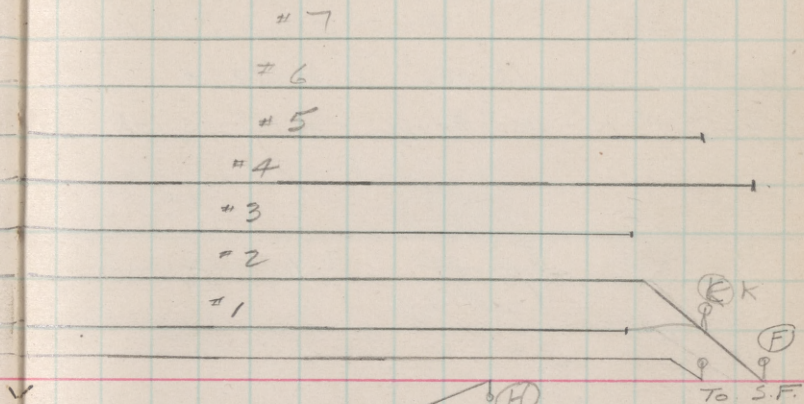
For bill of
Trestles see p. 39-

Apr 13 1914

29

F.H. Sheldon
W.F. Brinton

WILLITS



same as ⑤ except has
pony stand target lamp
same as ⑥
65" Spl. Sw. 15' pbs. L.S. Std
9.65" S.R. 15' Frog 2-15 65" G.R.

Track #2 (B) to (F)

0+00

65# Steel - 4 bolt A.B.

23+62'

15 ties to 30'

906 small T.P.

65# Spl. SW 15' pts. L.S. Stand

9-S.R. 15'-65# Frog. 2-15'-65# G.R.

~~Spur~~ #1 (A) (K)
Siding

0+00

65#

20+88³

16 ties to 30'

Fully T.P. small

2-9-65# Frogs S.R. 15' 1-P.M. pony stand

2-65# SW. 15' pts. 2-15'-65# G.R.

✓

WILLITS

Spur #3

(C)

0+00

65"

11+25"

56" Iron

13+95"

65" Spl. Sw. 15' pts.

L.S. Stand

*9- S.R. 15' 65" Frog

2- 15' 65" G.R.

416 small T.P.

15 ties to 30'

Spur #4

(E)

0+00

65" Steel

15+11"

14 ties to 30'

186 small T.P.

65" Spl. Sw. 15' pts. L.S. Stand

*9- S.R. 15' 65" Frog

2- 15' 65" G.R.

WILLITS

Spur #5

(D)

- 0+00 End Track

56#

13+76[±]

2 Atlas Jts

65#

14+89[±] P.S.

15" Spl. Sw 15' pts.

L.S. Stand

#9 - 2R 15'-6" Frog

2-15'-65" G.R.

106 small T.P.

300' (planked) on curve prob. T.P.

16 ties to 30'

Spur #6

(L)

0+00 P.S.

65#

0+98[±]

2 Atlas Joints

56#

6+56

2 Atlas

65#

7+80[±]

2 Atlas

50#

18+57[±]

195 Rail Braces

#9 S.R. Frog

17 ties to 30'

(For S.W. Sec 32)

4 spikes

50# & 58# have 22" 4 bolt G.J.s

Spur #7 (M)
0+00 End Track
56#

10+91⁸ 2-Atlas Lts.
65#

12+03⁹ P.S.

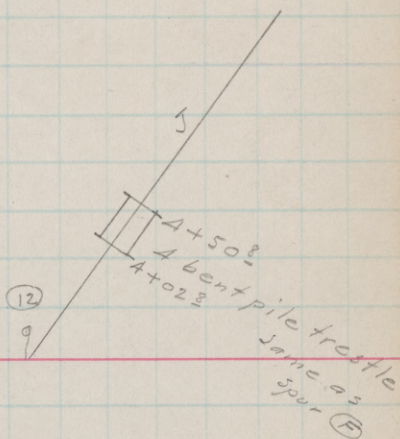
197 Rail braces
16 ties to 30'

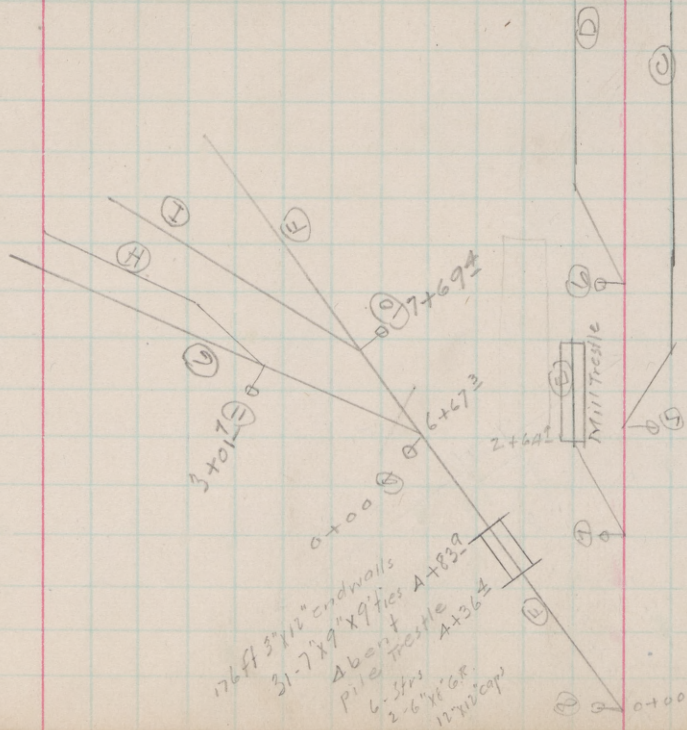
For Switch see p 32

② - 65" Spl. Sw. 15' pts. R.S. Stand
#9. 65" 15' S.R. Frog 2-15' 65" G.R.

M- 65" Spl. Sw. 15' pts L.S. Stand
#9-65" Rig 15' Frog 2-8' 65" G.R.

NORTHWESTERN





Mon. Apr. 13 1914

33

F. H. Sheldon
W. F. Brinton

NORTHWESTERN

Pile Trestle

13+28.7
12+94.1

(A)



(B)

(4)

(3)

(2)

(1)

NORTHWESTERN

Sw ① 65" Spl. Sw 15' pts L.S. Stand
"7- S.R. 15' 65" Frog 2-15' 65" G.R.

② 65" Spl. Sw 15' pts. L.S. Stand
"7- S.R. 15' Frog, 65" 2-15' 65" G.R.

Sw ④ 65" Spl. Sw, 15' pts. L.S. Stand
"7- S.R. 15' 65" Frog. 2-15' 65" G.R.

⑤ 65" Layout same as above

③ + ⑥ 65" Layout same as above

⑦ 65" Layout same

⑧ 65" Layout same

⑨-10+11 65" Layouts same

Spur A

A - 0 + 00

65' 24" 4 bolt heavy A.B.
with Verona Nut Locks16 + 96²

50' 3 7/8" base 2 1/4" ball 3 1/2" high Iron with N.L.

18 + 21⁴ End Track 22" 4 bolt F.P.

12 ties per 30' under Iron

16 " " " " 65'

319 small T.P.

4 spikes per tie

Spur B

0 + 00

65' 4 bolt heavy A.B. (1st 200' 4 bolts each)

5 + 36³

16 ties per 30' (rest 2 bolts)

4 bolts per tie

167 small T.P.

Siding Pt (C)

0+00

65[±] heavy A.B. 4 bolts

12+86[±] $\frac{1}{2}$ 4 spikes $\frac{1}{2}$ 6 spikes

1- L.A. Co. derail

943 small T.P.

16 ties to 30'

4 spikes $\frac{1}{2}$ have 6 spikes

Siding Lt (D)

0+00

65[±] heavy A.B. 4 bolt

8+66[±]

16 ties to 30'

4+3 small T.P.

4 Spikes

$\frac{1}{2}$ have 6 spikes

1- add G.R. 18' 65[±]

5- fillers $\frac{7}{8}$ " x 7" bolts + nut locks

NORTHWESTERN

Spur (E)

0+00

65" same

5+144

374 Small T.P.

A bolt heavy A.B.

On Trestle 7"x9"x 8 ties

19 per 30'

Rest of spur 6"x8"x8'

16 per 30'

Spur (F)

0+00

65" same

13+103

16 ties to 30'

4 spikes.

1050 Small T.P.

Mon. Apr. 13 1914

NORTHWESTERN

Spur (6)

0+00

65" same

7+22±

16 ties to 30'

475 small T.P.

Spur (H)

0+00

65" same

4+19±

16 ties to 30'

98 small T.P.

Spur (I)

0+00

65# Same

3+68⁵

16 ties to 30'

4 spikes

16 ties to 30'

130 small T.P.

Spur J

0+00

65# Same

9+86²

300' 9 ties per 30'

rest 13 " " "

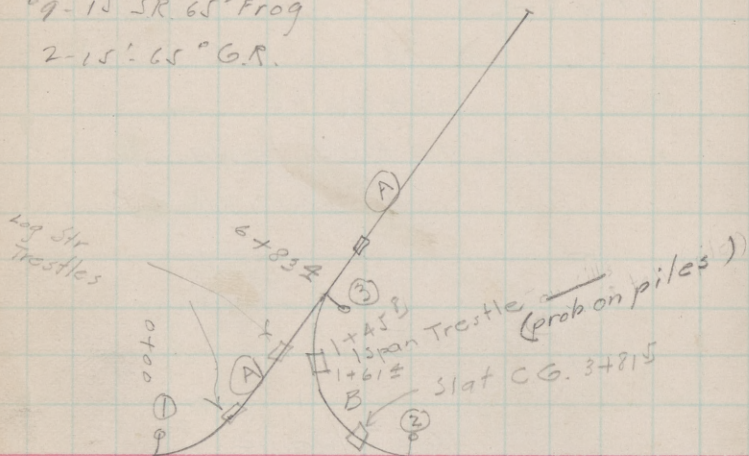
4 spikes

- 416 small T.P.

F. H. S
Brinton

YEN SPUR

- ① 65" Spl. Sw. 15 pts L. S. Stand
"9-15" S.R. 65" Frog
2-15' 65" G.R.



Trestle on wye

- ✓ 16 - 6" x 8" x 9' Pine ties
- ✓ 2 - 6" x 8" G.R.
- ✓ 6 - 8" x 16" Strs
- ✓ 12 ft 4" x 8" end spacers
- ✓ 2 - 12" x 12" x 14' Caps (sills)
- ✓ 96 - ft 3" x 12" end walls

18 - 5/8" x 30" bolts
36 - 4" diam cast washers

(37)

Spur (A)

0+00 P.S

65#

(5+24 3/4) 5x48"

(10+97 9/16) 56#
(11+08) 11052

50° Iron? 3 5/8 base

13+00 8' End Spur

16 ties to 30'
362 small T.P.

50" has 22" 4 bolt F.P.

56" " " " "

65" " 24 heavy " A.B

4 - Spikes - Verona N.L.

Wye Track (B)

0+00 Pt. Sw. (3) = Yew Spur 6+83 1/2

56# Steel

0+98 1/2

1 - 56#
1 - 65#

6+25 3/4

65#

7+09 1/2 P.D. M.L.

16 ties to 30'
558 small T.P.

Tues. Apr. 14. 1914
F.H.S.
Brinton

WILLIAMS SPUR

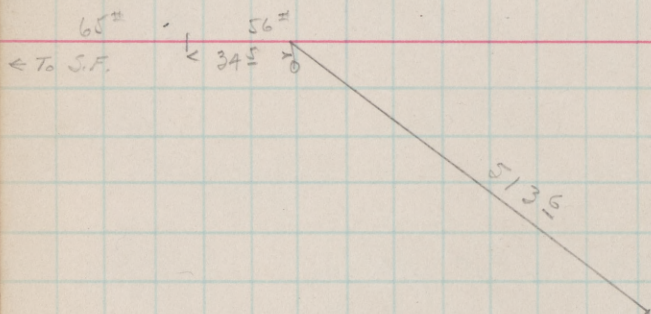
56" Stub Sw. Harp Stand
"9-9" Rig Frog 56# 2-15" 56# G.R.

All 56" Mixed Iron & Steel
22" F.P.

15 ties per 30'

4 spikes

36 small T.P.



56# 24" heavy A.B. 4 bolt

Curves T.P. 16 tics per 30'

4-Spikes Nut locks

Apr 14 1914

F.H.S.
Brinton

TRESTLE 137-N at Willits

M.L. Trestle 79⁷ long

6 - 4 pile bents 25' piles

6 - 12" x 12" x 14⁵ caps

70 lin ft. 3" x 12" Sway bracing

6 - 8" x 16" Stringers

1 - 8" x 16" " under walk

1 - 6" x 12" " "

2 - 6" x 8" Guard rails.

51 - 7" x 9" x 9' Redwood Ties.

382 lin. ft. 2" x 12" in floor.

92 " " 2" x 3" hand rail.

35 " " 1" x 3" " "

63 " " 2" x 3" " " posts

46 " " 1" x 6" " " braces

7 " " 2" x 3" " " "

4 " " 2" x 4" " " "

217 " " 2" x 8" floor joists

4 " " 2" x 6" " "

44 " " 3" x 12" end walls.

32 " " 2" x 6"

48 " " 2" x 12"

24 - drift bolts. } 100 Separators
50 - $\frac{5}{8}$ " x 34" " } 248 Plate washers
40 - $\frac{5}{8}$ " x 20" " }

Apr. 14 1914

39

Timber Bulkhead Rt. of M.L.

2 - 25' piles
8 pc. 8" X 16" X 16'

50 - $\frac{7}{8}$ " X 36" bolts

Apr. 14 1914

Willits

64 = long

1st trestle on spurs Rt of M. L.

6 pile bents

24 - 25' piles

2 - 6" x 8" G.R.

7 - 8" x 16" Stringers full length of trestle

1 - 8" x 16" x 48' "

1 - 4" x 12" " under walk

192 lin. Ft. 2" x 12" Floor.

112 " " 3" x 12" end walls

64 " " 2" x 6"

36 " " 1" x 6"

110 " " 2" x 4"

54 " " 3" x 6"

36 " " 4" x 6"

Hand rail

103 ft. 3" x 6"

153 " 3" x 12" end wall

30 " 2" x 6" "

18 " 4" x 12"

20 " 2" x 12"

88 " 3" x 12" Sw. Br.

41 ties 7" x 9" x 9'

30 " " x 8'

10 " " x 10'

Ties estimated. 50% B.M.

85 ft 12" x 12" caps.

10 - 1/2" x 44" bolts

28 - 5/8" x 30" "

40 - 5/8" x 36" "

15 - 7/8" x 20" "

80 - Separators

186 - plate washer

24 drift bolts

84 - 8' wire spikes

Apr 16 1914

40

Willits

Geo

2^d Trestle from M. L.

1	25 - 25' piles	
	68 ft 12" X 14" cogs.	952
	6 - 8" X 16" stringers	3840
	61 - 6" X 8" X 9' pine ties	2196
	2 - 6" X 8" Guard rail	960
	251 ft. 3" X 12" End wall	953
	13 " 4" X 6" " "	26

10 - $\frac{1}{16}$ " X 44" bolts
24 - $\frac{5}{8}$ " X 30" "
14 - $\frac{5}{8}$ " X 10" "
40 $\frac{5}{8}$ " X 36" "

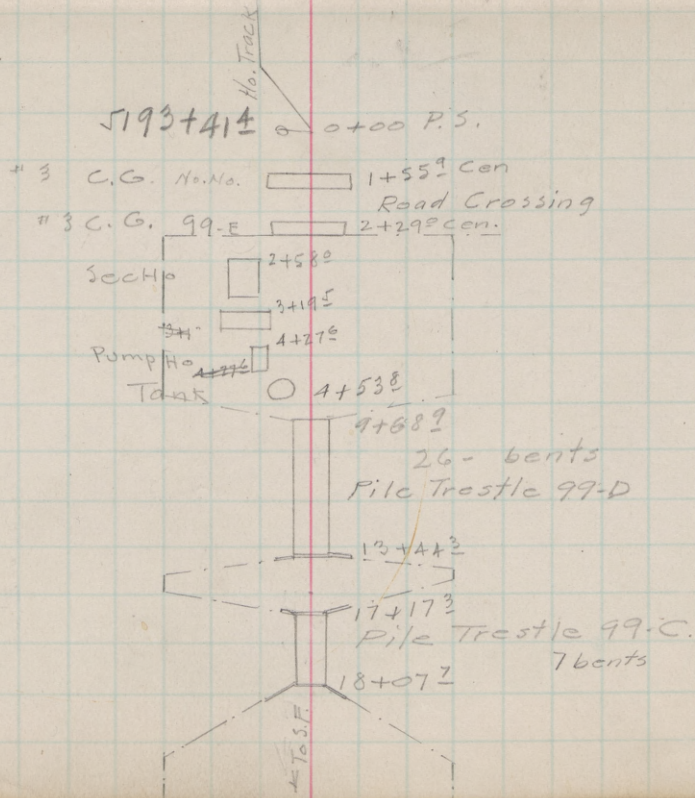
80 separators

20 4" cast washers
24 22" plate "
132 2 $\frac{1}{2}$ " cast "
33 boat spikes
25 drift bolts

Apr. 15 1914

F. H. S.
W. F. Brinton.

HOPLAND



99-C

2- 6"x8" G.R.

91- 6"x8"x9' Pine Ties.

39- 35' piles

6- 8"x16" Stringers

92 ft. 12"x14" Caps.

30 ft 8" diam round braces

432 ft 3"x12"

40 " 8"x12"

34 " 4"x6"

39- drift bolts

60- $\frac{5}{8}$ "x28" bolts

12- $\frac{5}{8}$ "x10" "

62- $\frac{5}{8}$ "x36" "

268- 3" cast washers.

122- $\frac{1}{2}$ " boat spikes.

8- $\frac{3}{4}$ "x20" bolts

24- 2 $\frac{1}{2}$ " plate washers

170- 8" wire spikes

120- separators

99-D
Wat Hopland

2- 6"x8" G.R.
376- 6"x8"x9' Pine ties
6- 8"x16" Stringers
320 ft 12"x14" Caps.
134- 35' piles
End walls same as 99-C.

134 drift bolts
250- $\frac{5}{8}$ "x36" "
250- $\frac{7}{8}$ "x28" "
52- $\frac{5}{8}$ "x10" "
8- $\frac{3}{4}$ "x20" "
520- Separators
802- boat spikes
1090- 3" cast washers
30- 4" " "

Apr 22 1914

Howe Truss E of Calpella

see p. 19 also.

118- 8"x10"x12' Ties

6- 8"x20" Stringers on Truss

96- 4"x12" under stringers

2- 6"x8" Guard rails

21 piles

495- 255 ft 2"x10"

175✓ 94 " 2"x8"

76✓ 38 " 2"x12"

47✓ 47 " 1½"x5"

2808✓ 234 " 12"x12"

875✓ 75 " 10"x14"

15✓ 5 " 3"x12"

40✓ 20 " 4"x6"

176✓ 188 " 1"x8"

112✓ 225 " 1"x6"

60✓ 90 " 2"x4"

W. Fdn Pier

4719 F.B.M.

288 sq. ft. galv. Iron

21- 7"x9"x9' P.W. Ties

6- 8"x16" Strs

12"x14" caps

6"x8" Gd. Rails.

W. approach

1041-625-ft 2"x10"

348-116 " 3"x12" 7"

60-60 " 3"x4"

6516-543 " 12"x12" 24"

169-145 " 10"x14"

40-20 " 4"x6"

13-20 " 1"x10"

16-16 " 1"x12"

187-375 " 1"x6"

51-76 " 2"x4"

20-15' piles

290 sq. ft galv iron

E. Pier

1176 L.F.B.M.

61-7"x9"x9' ties

2-6"x8" G.R.

6-8"x16" Strs.

12"x14" Caps.

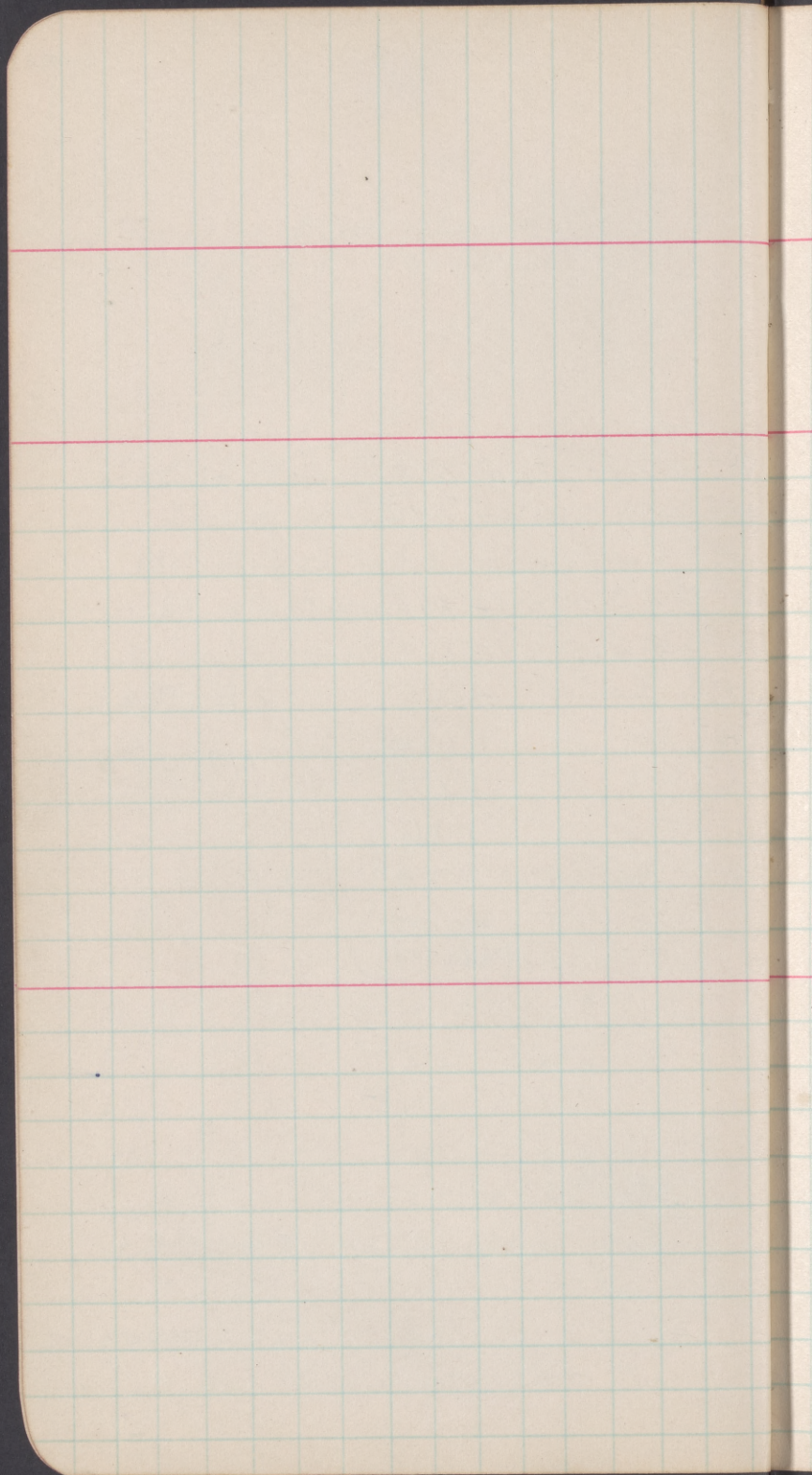
36-25' piles

Sway bracing on 5 bents.

E.

Approach.

Ends & Top of Truss covered
with galv. iron



Apr 22 1914

44

1st trestle E of Ackerman
Creek 2 M $\pm$ E of Ukiah
No structure No.

4 steel stringers $8 \times 24 \times 52 \frac{1}{2}$ '
on seat 7" - $2 \frac{1}{4}$ " to back of
seat.
conc. abuts & 2 conc. piers.

$$\begin{array}{r} 0+0= \\ 0+0 \end{array}$$

Road Xing

Steep Hills side
600' or 700 ft

4 + 77

Rail ch to 35# Iron

narrow strip Ham
land on 150' ±
then steep hillside
grazing.

35#
x Iron

River

16 + 31

End Track per Reardon

35#
x Iron

River

4 $\frac{37}{12}$ Miles
laid 1914
449

Side hill
grazing

Creek Bottom grazing
+ 25% brush
+ scrub

3 + 80

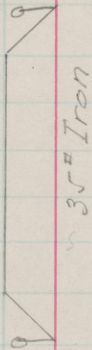
Co. Rd. Xing

3 + 50

P. S. Stub

1 + 59³

P. S. Stub



89+20 Cen. 20' trestle

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Hay & grain' below the line.

76+70 Cen 40' trestle

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Pasture' below the line.

65+50 Cen 60' log trestle

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Side Hill grazing' below the line.

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Hay & grain land but not in crops' below the line.

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Pasture' below the line.

Diagram: A vertical line with an 'x' at the top, a small square to the right, and the text 'Hay land' below the line.

Bottom
Scrub tree & briars

Hay & Grain
bottom

116+00 Cen 20' trestle

↓



↓

Hay & grain

Hay & grain

103+00 Cen. 80' trestle

↓

35' from

Side Hill
grazing
Co Rd follows
along et. of track

↓

Brush along tke (east creek)
Good hay land
100' back

97+15 Co. Rd Xing

Hay & Grain

151+50 Cen 35' trestle

145+05 Cen 30' trestle

144+30 Redwood tank

138+00 Cen 90' trestle



Iron

350

at Ranch

22 growth
10% grazing
both sides

Bottom

Scrub trees
& brush

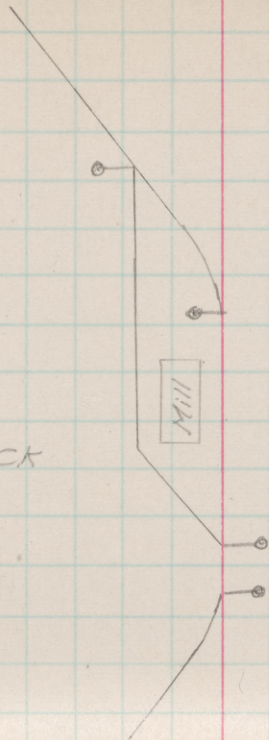
Hay & Grain
bottom land

218+74 P.S. Stub

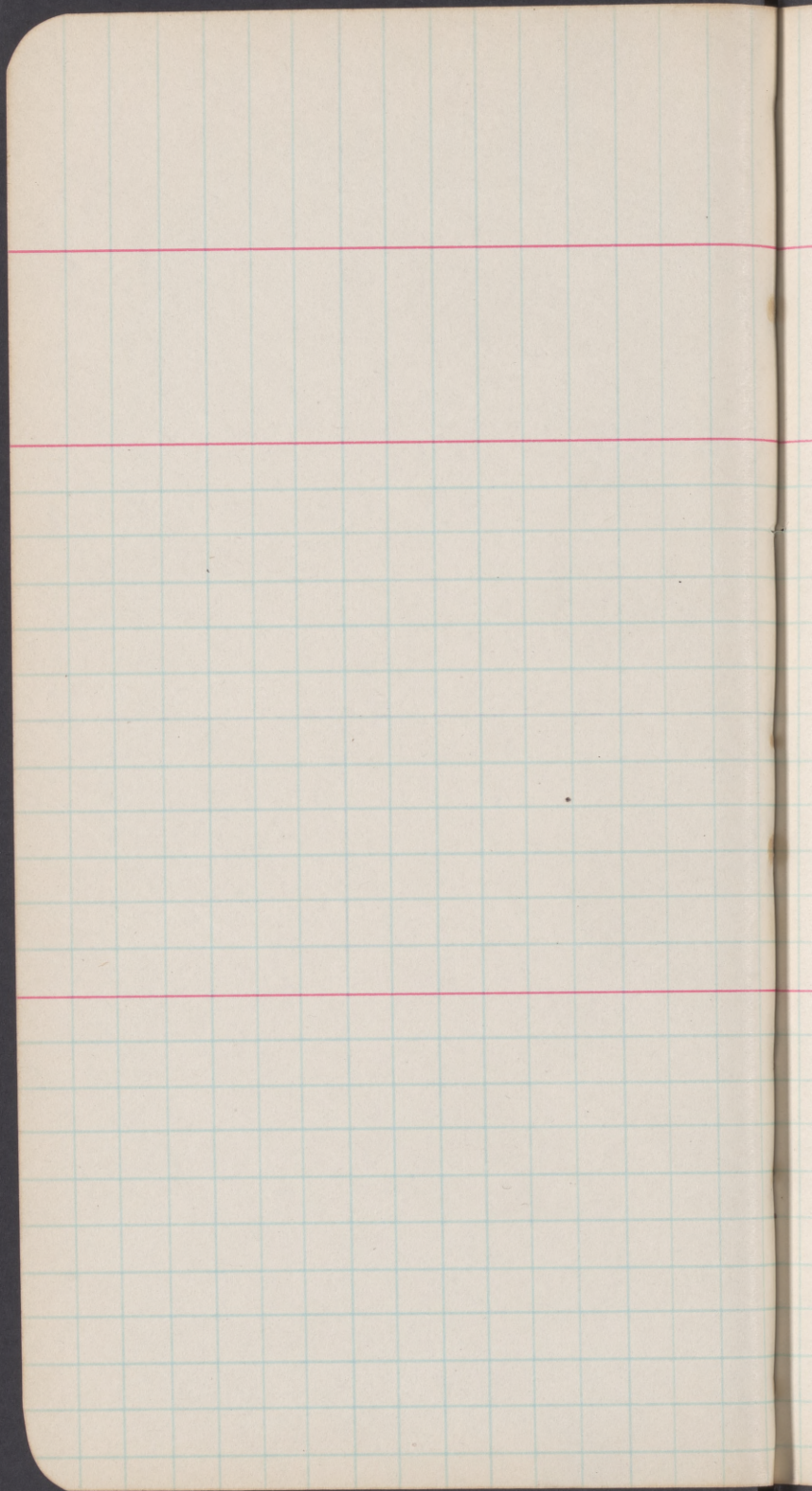
214+61 Cor Mill-End N.W. P. track

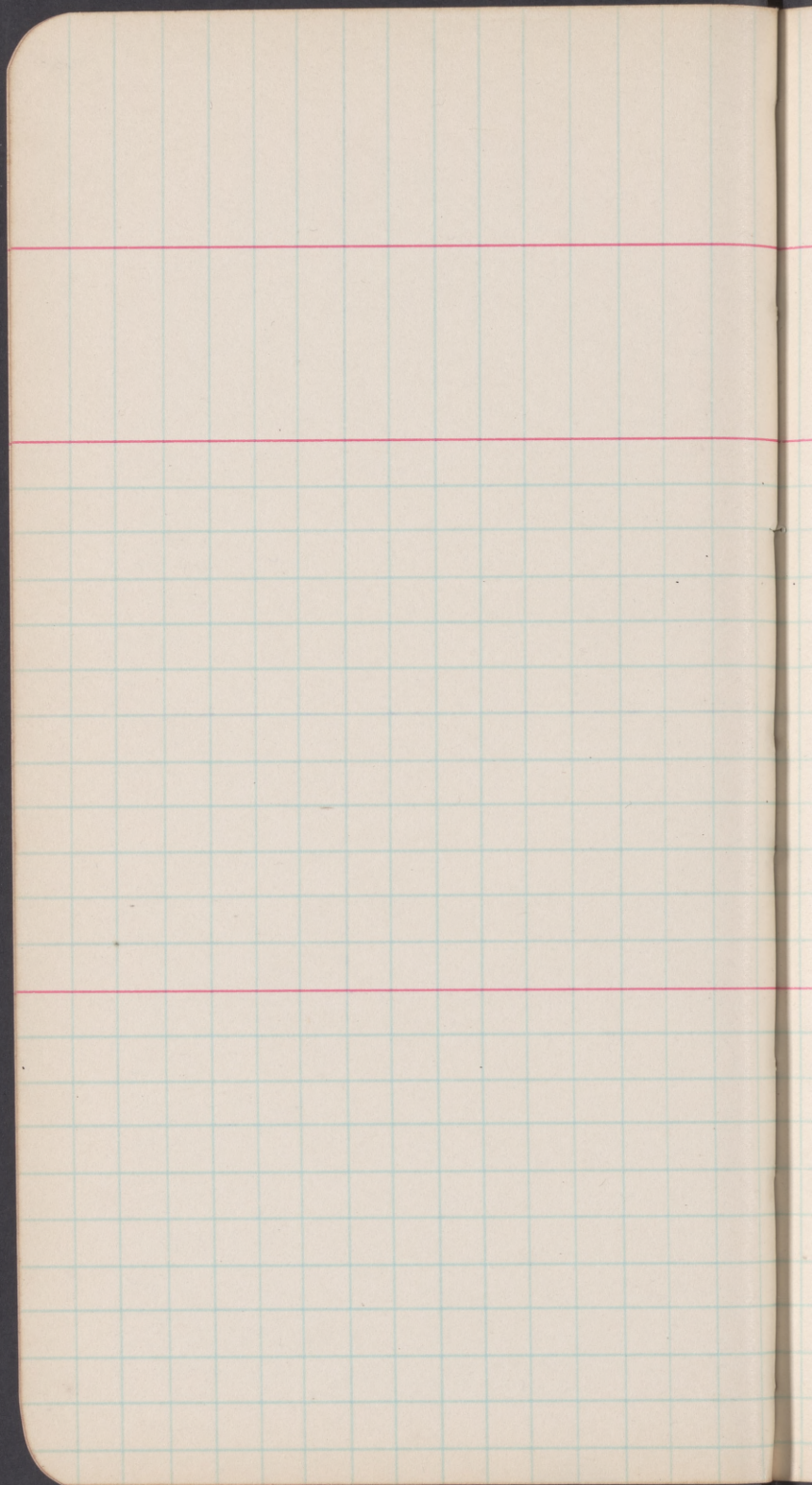
210+57 P.S. Stub

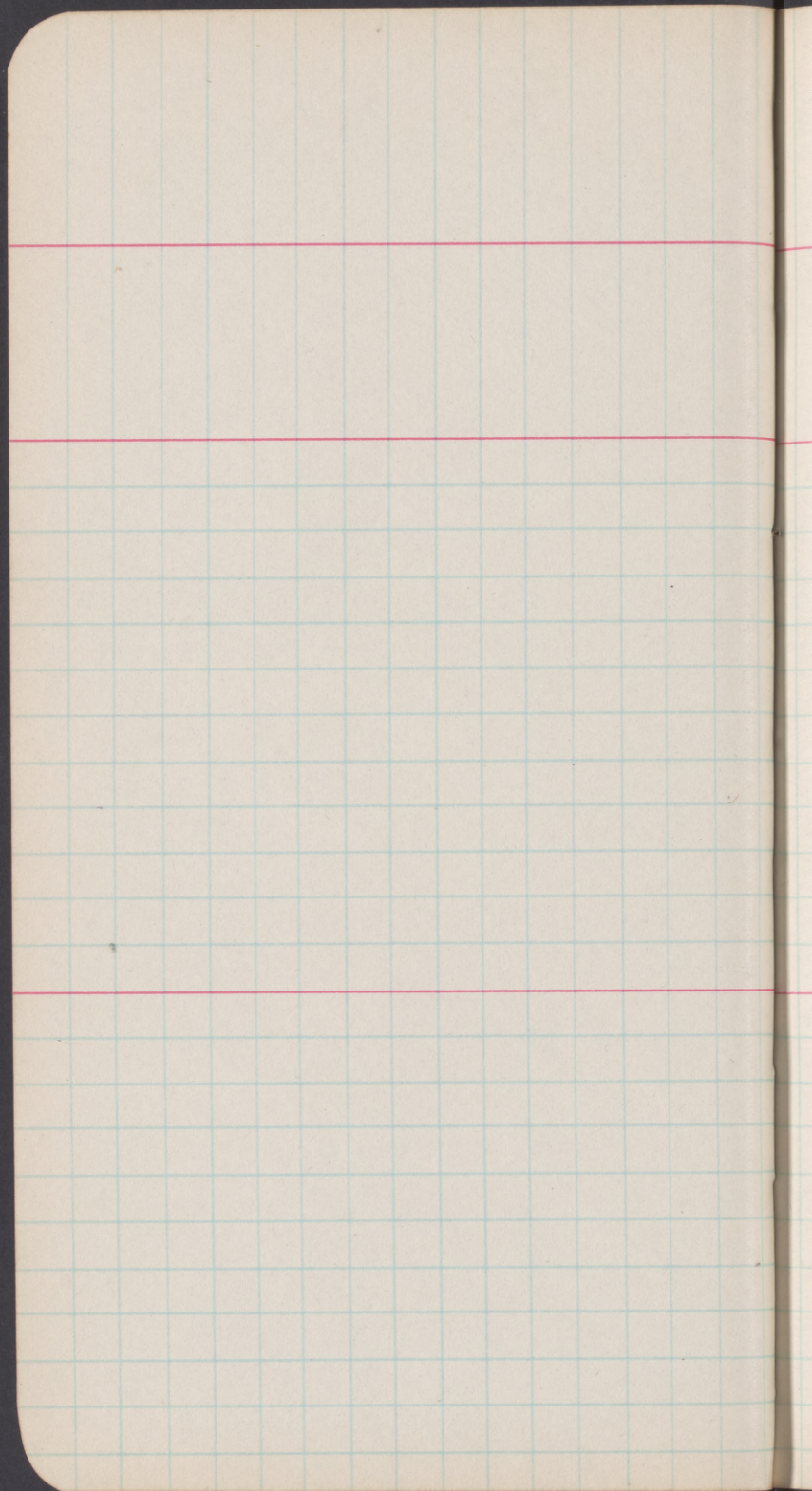
204+47² P.S. Stub

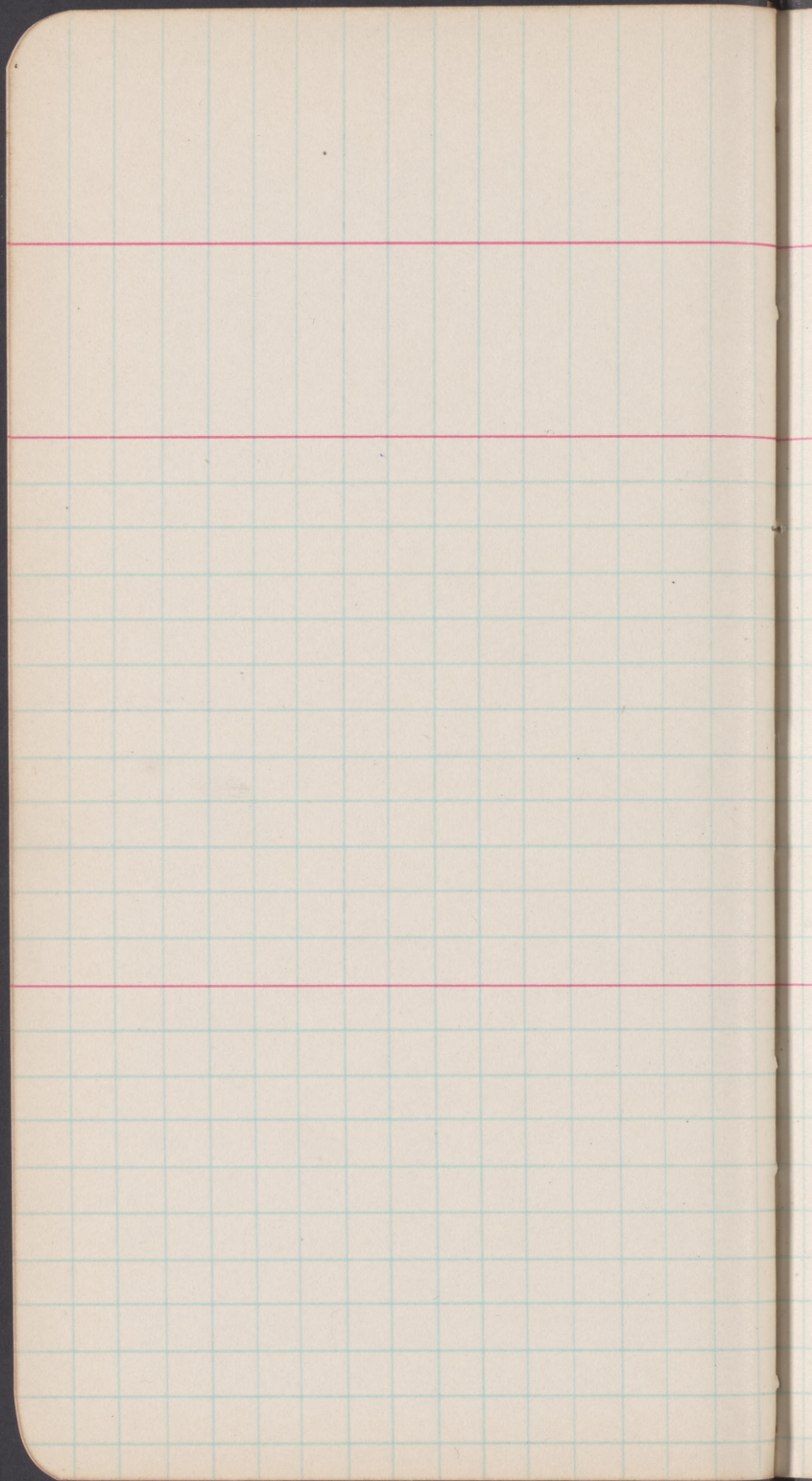


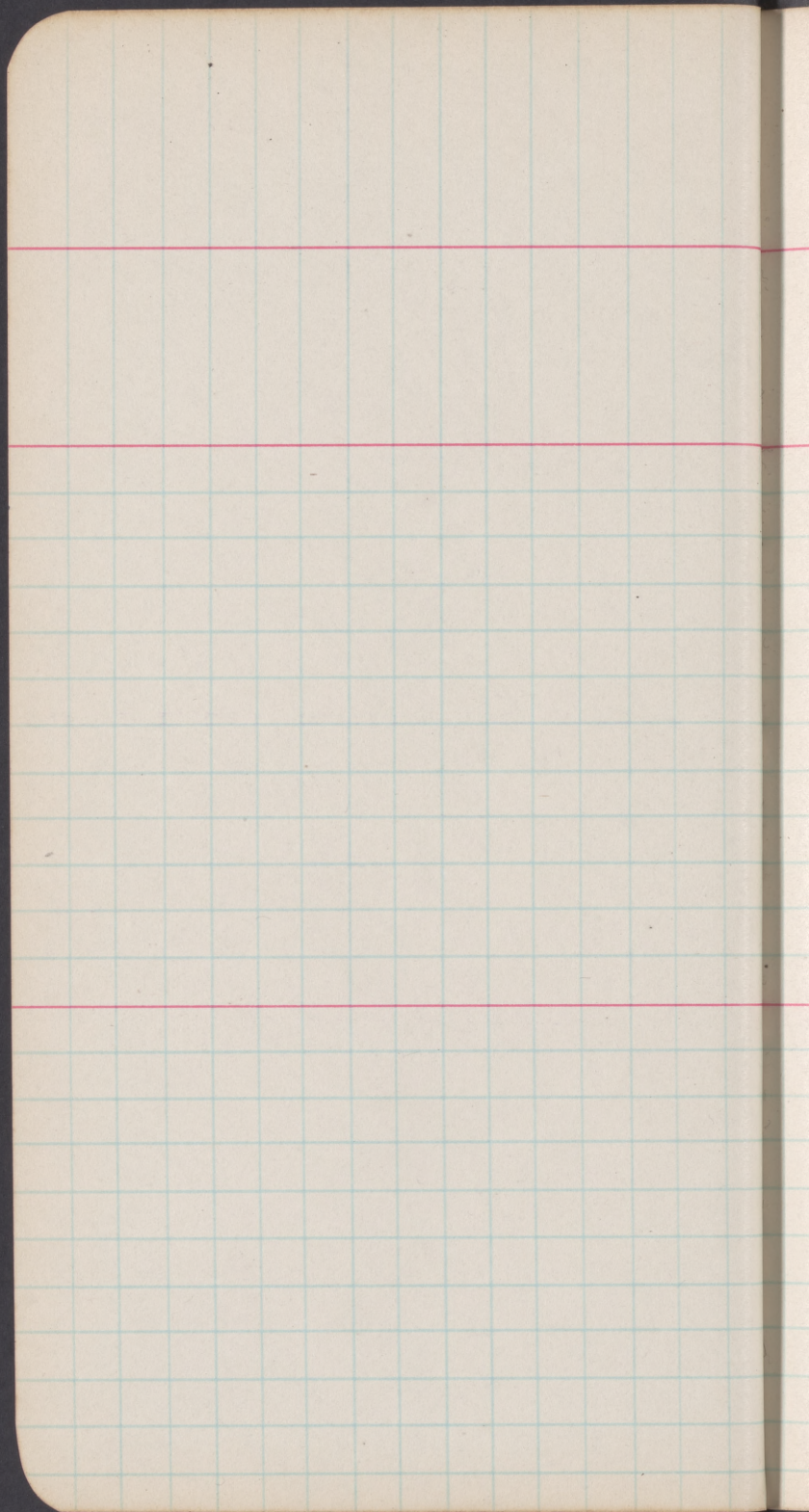
Mill. A1 curves

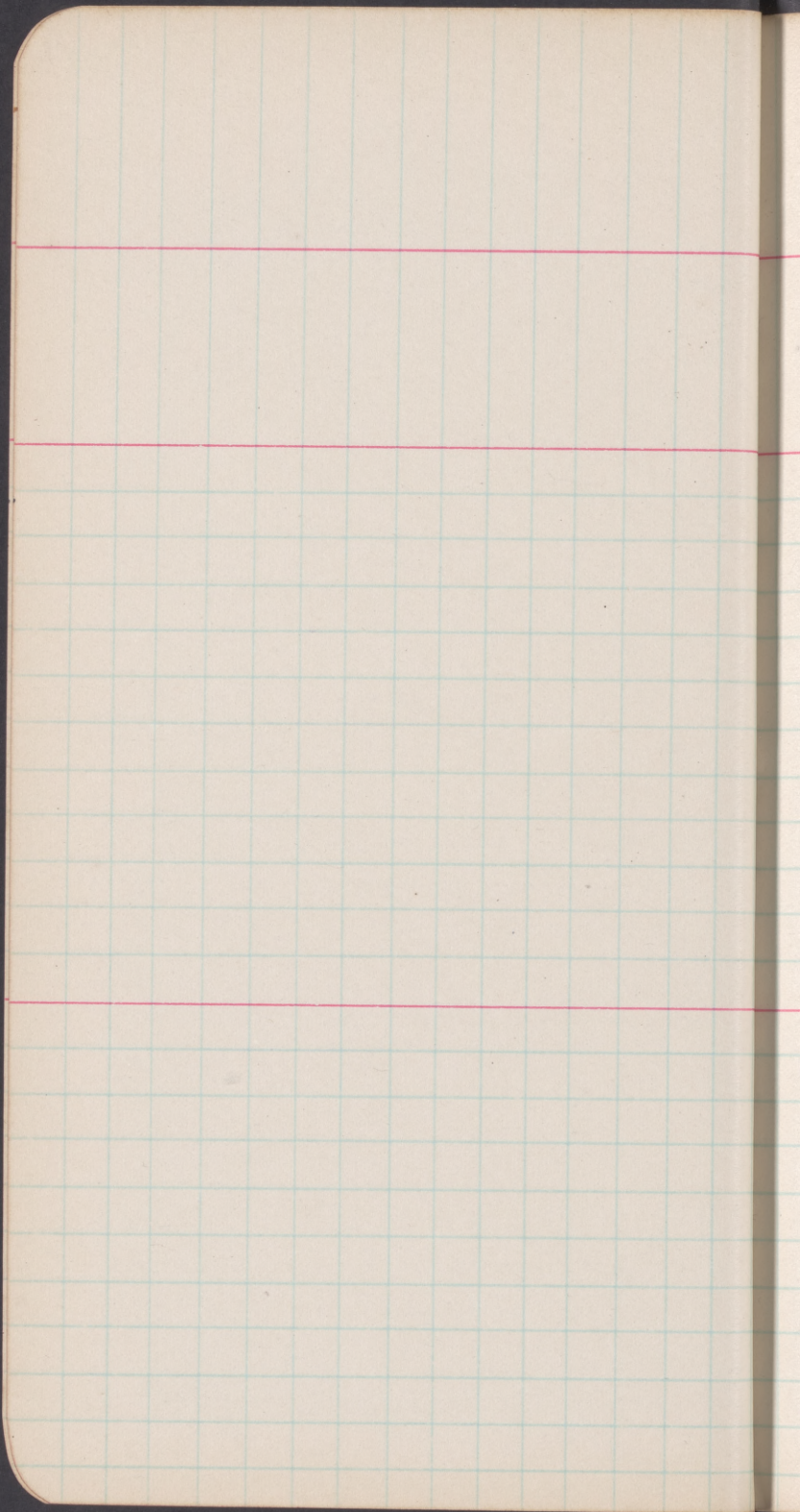


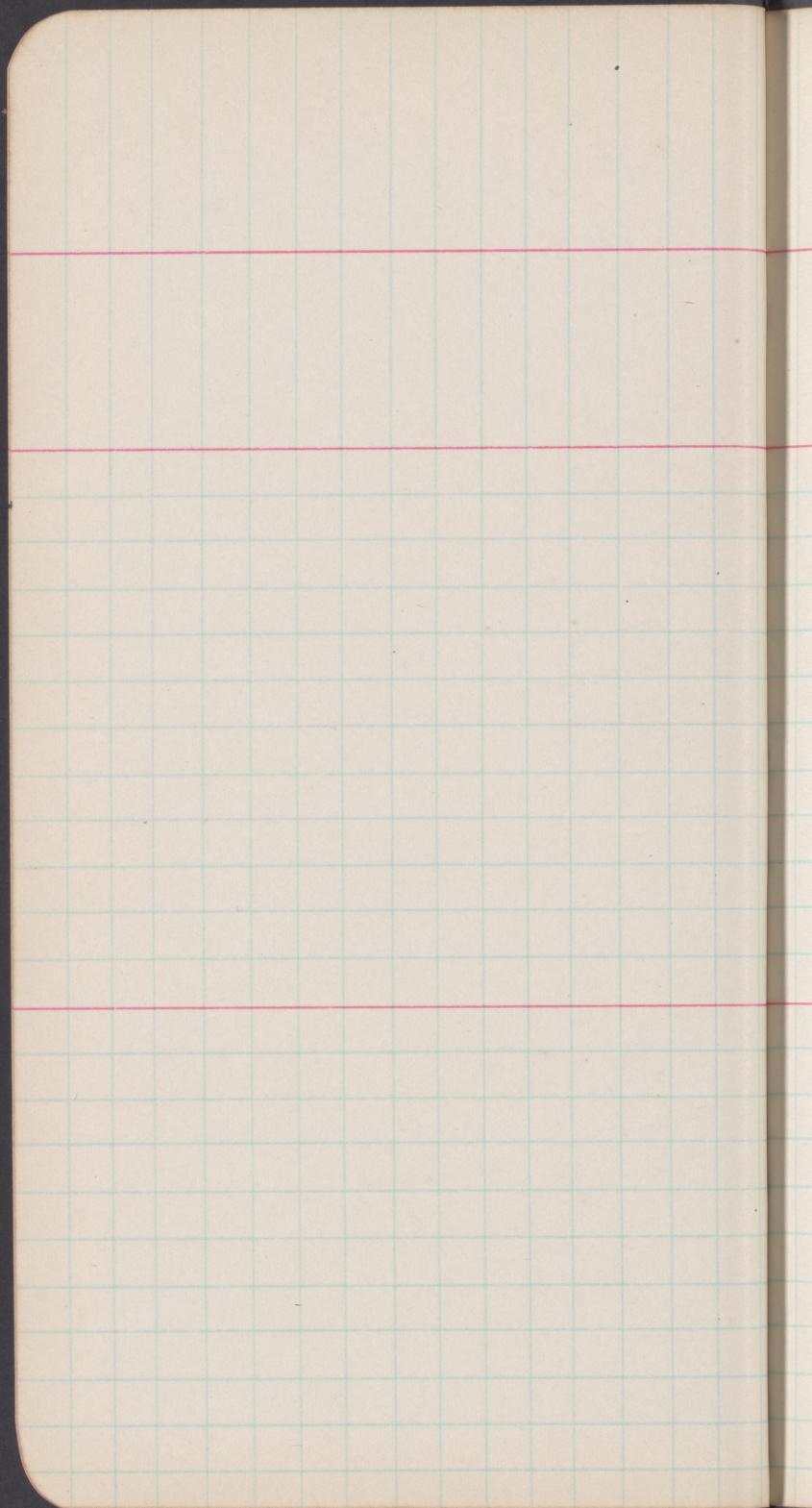


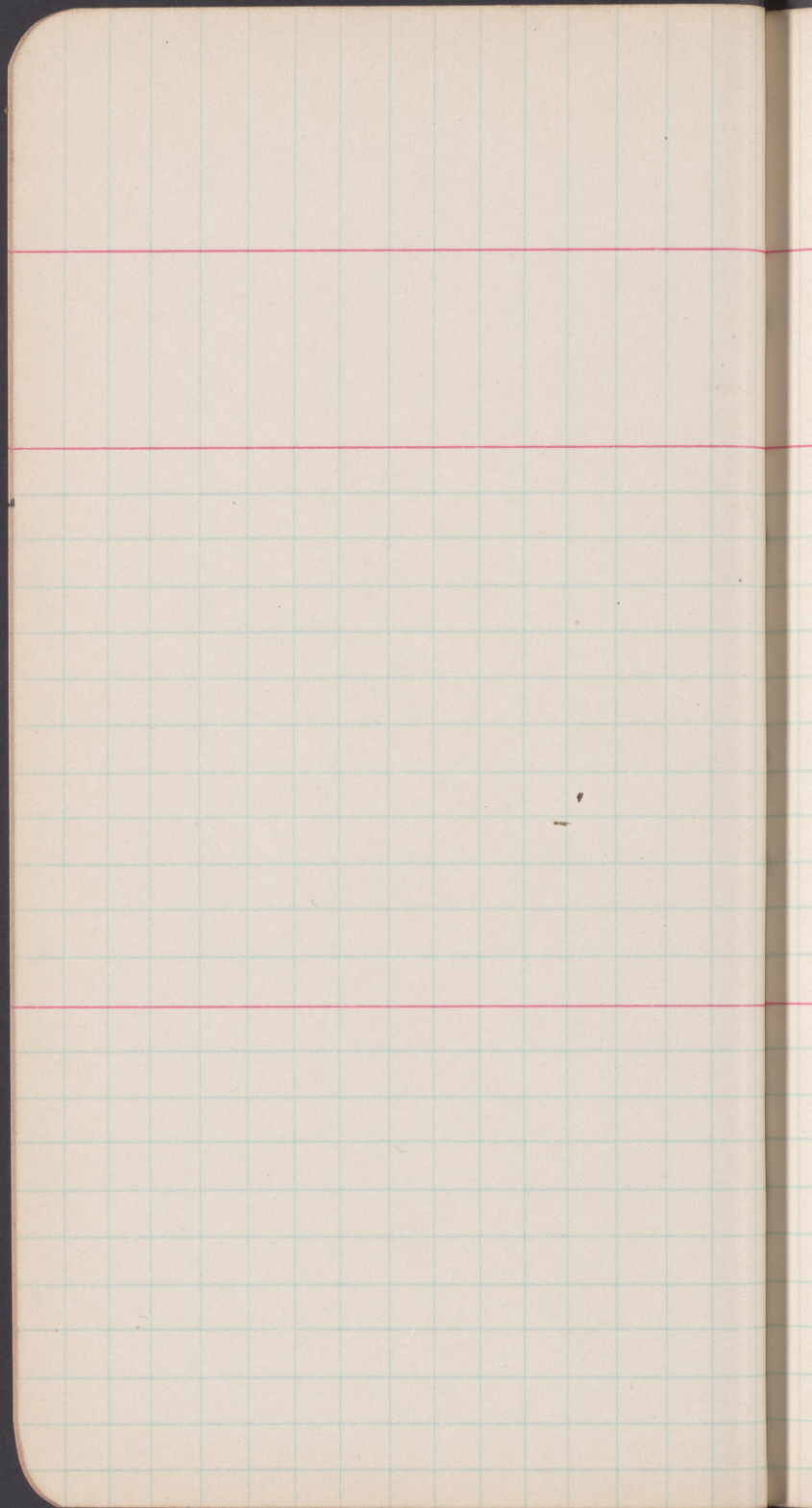


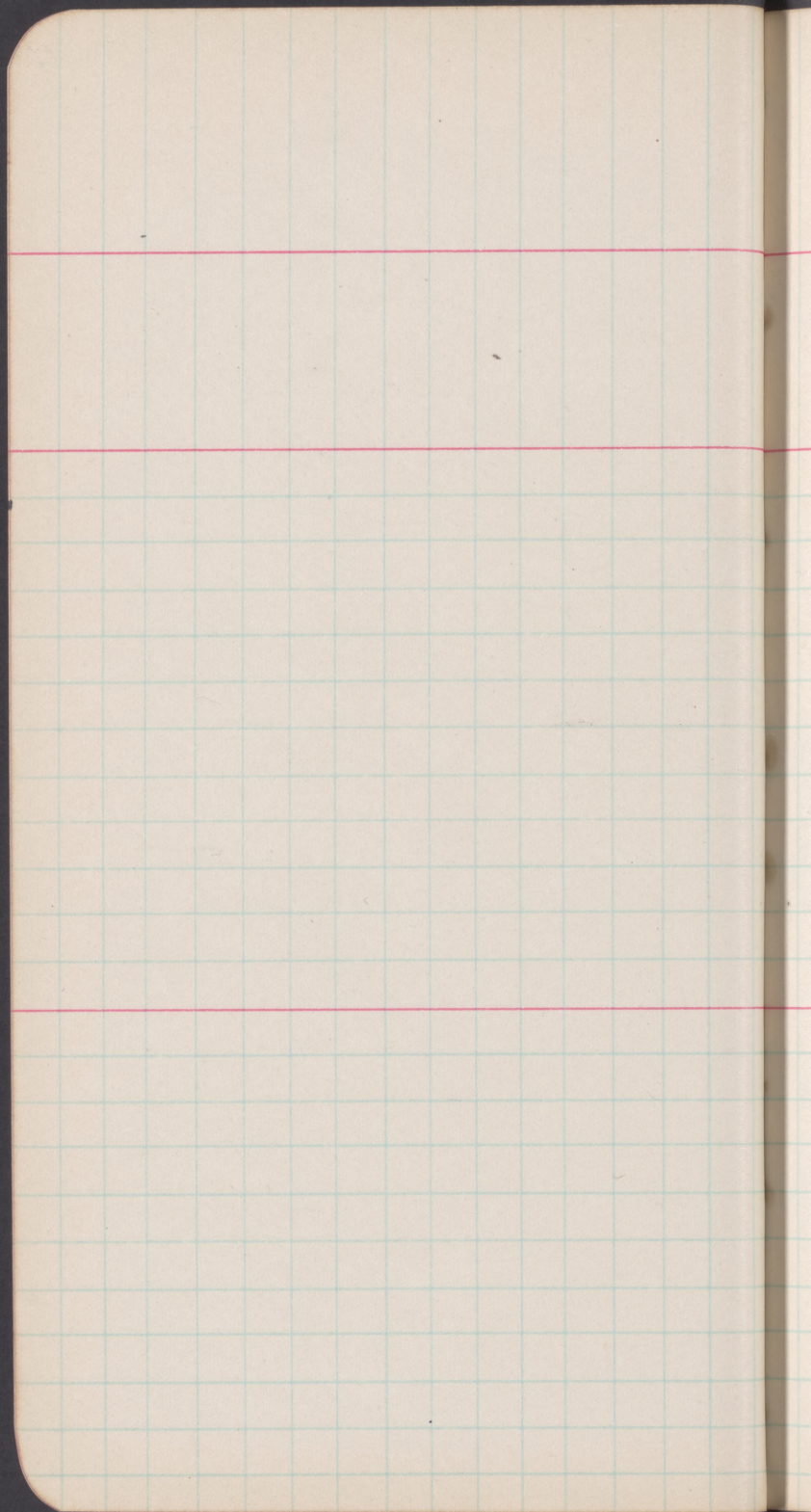


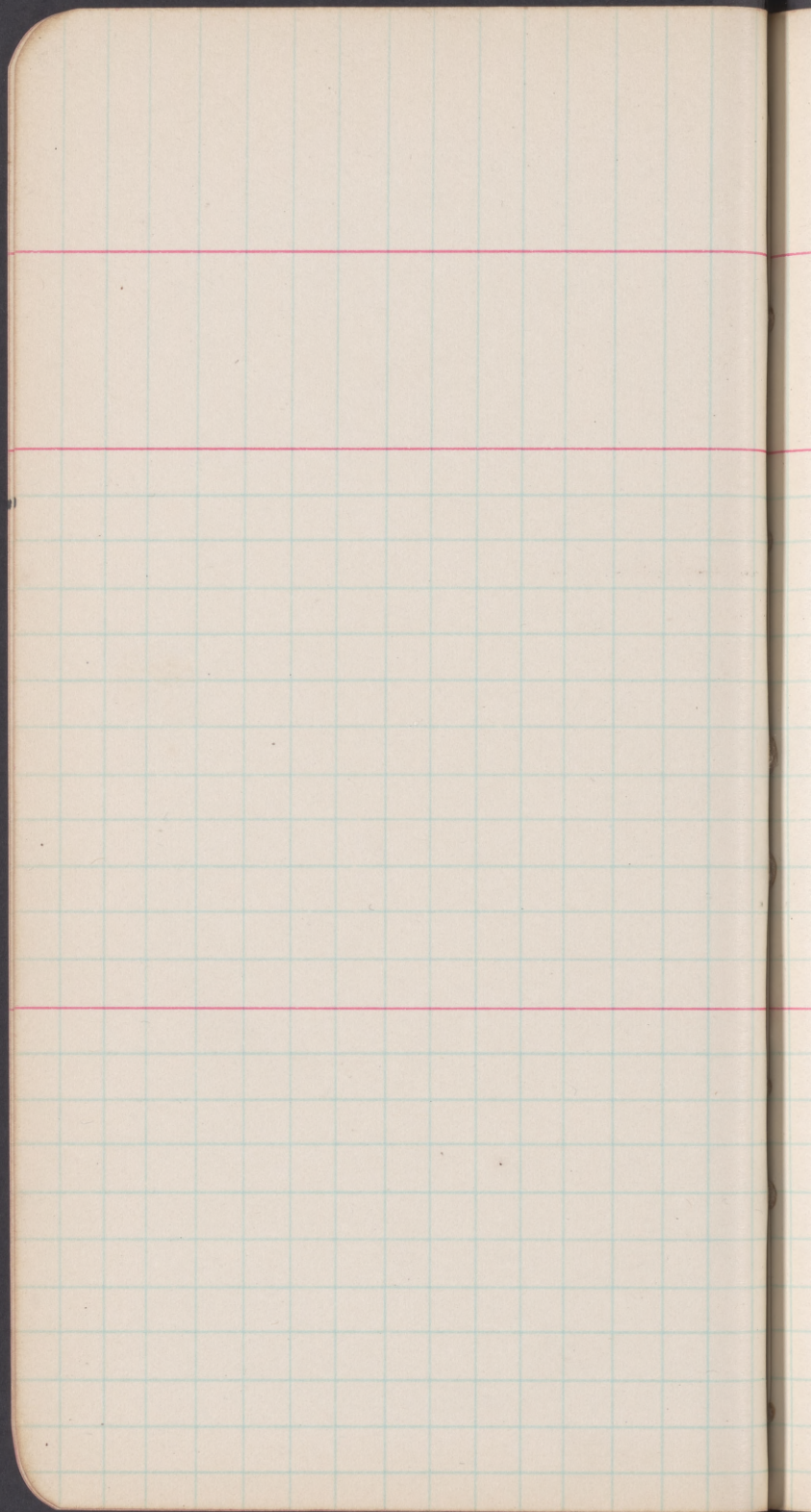


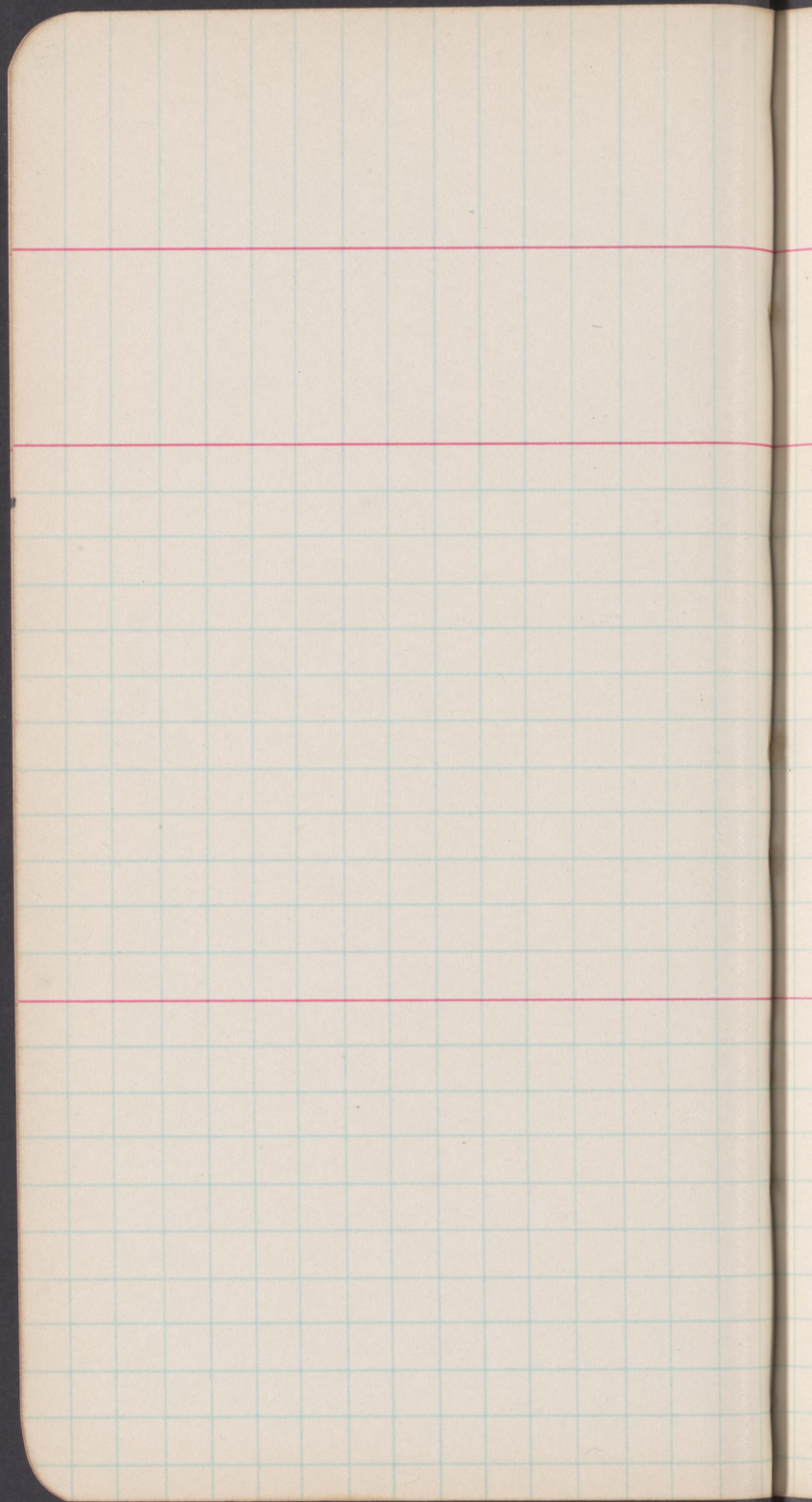


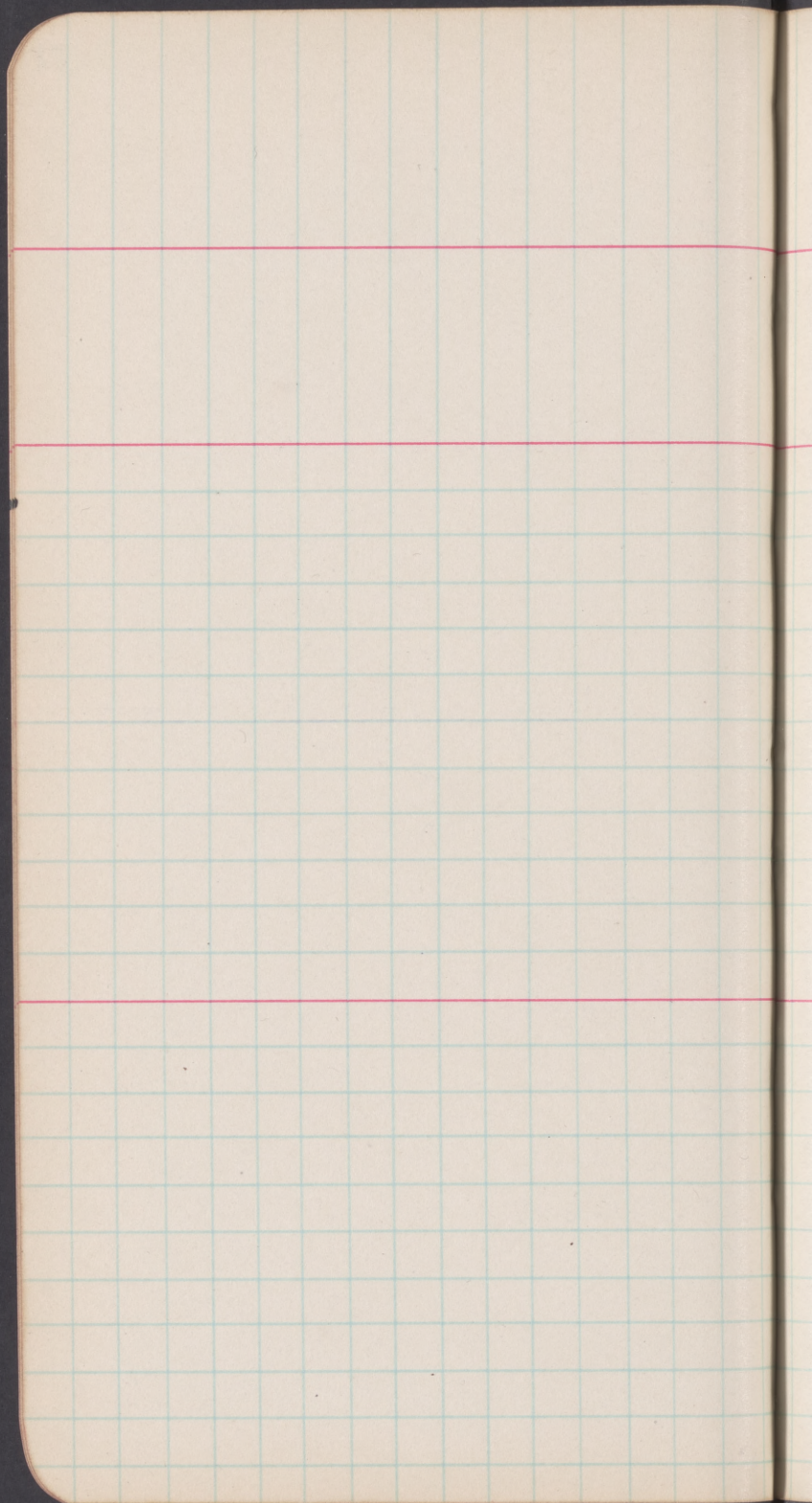


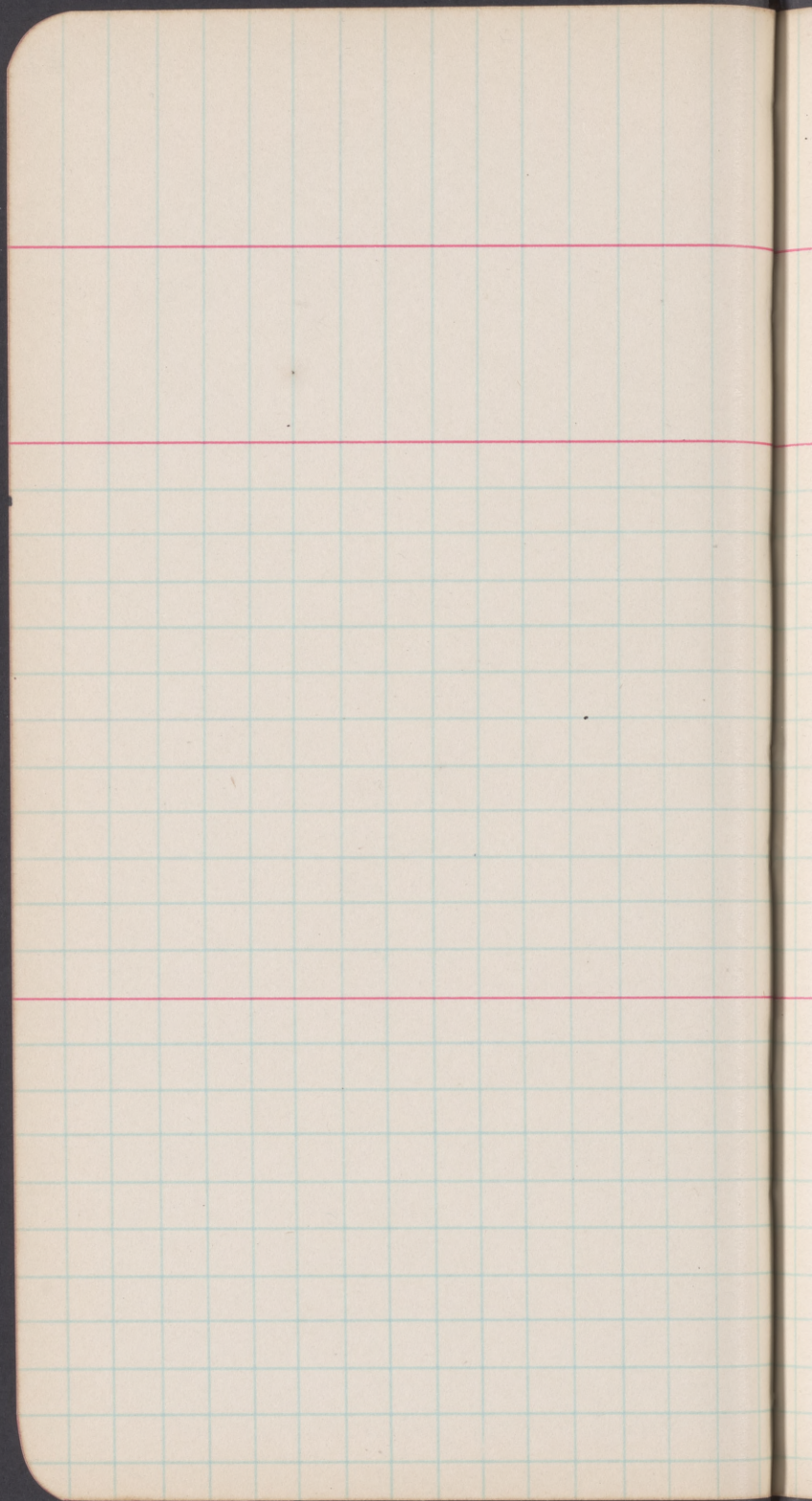


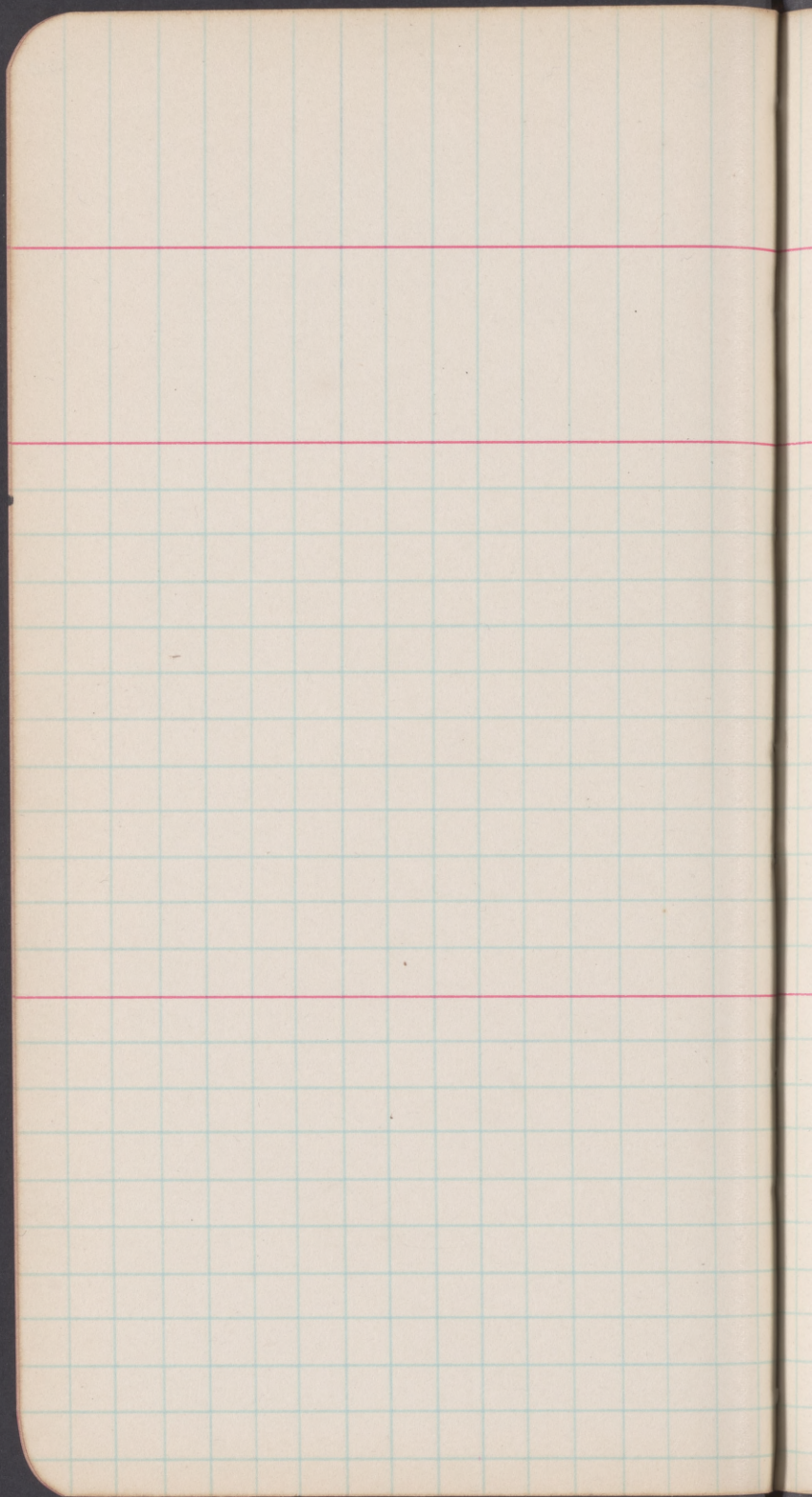


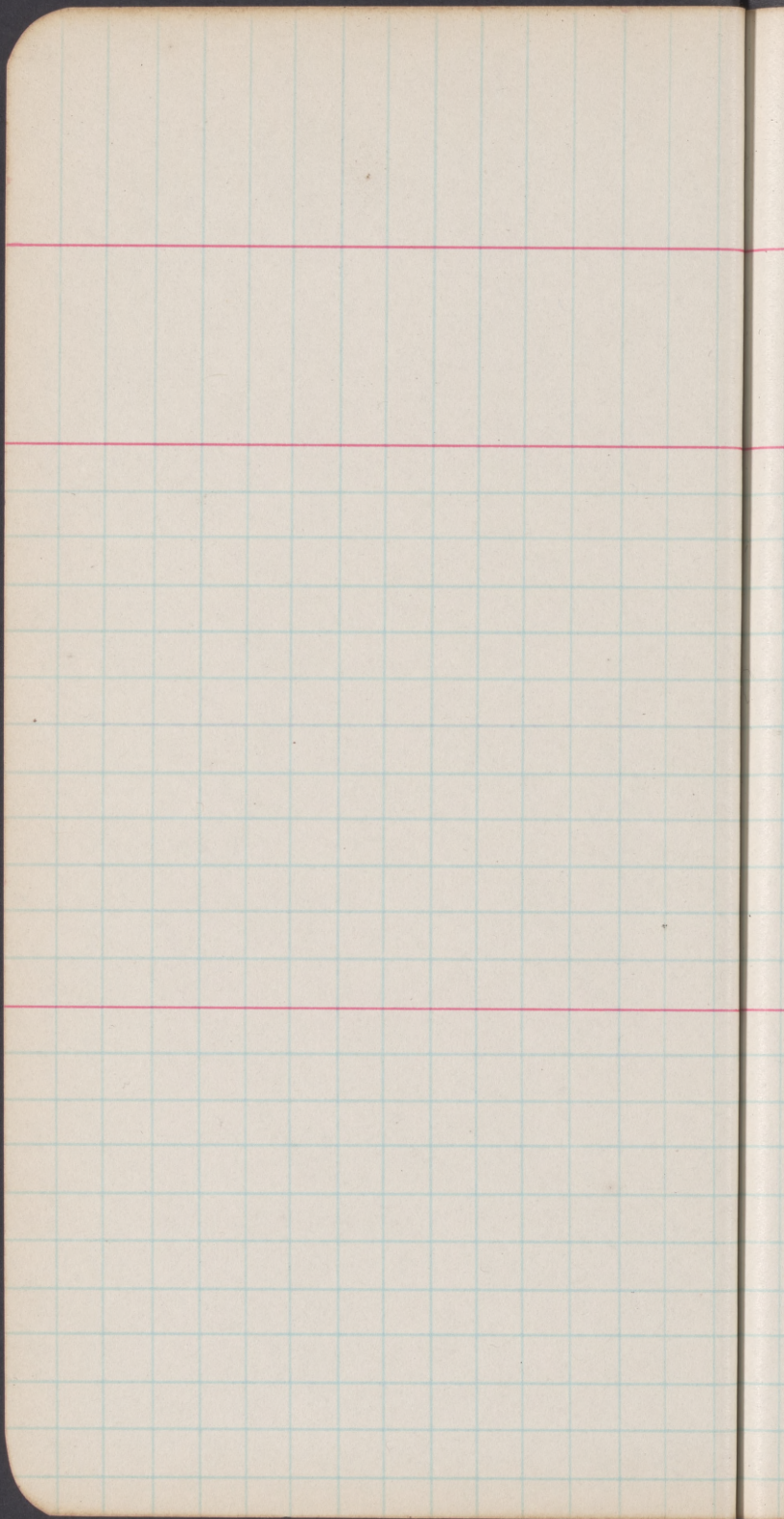


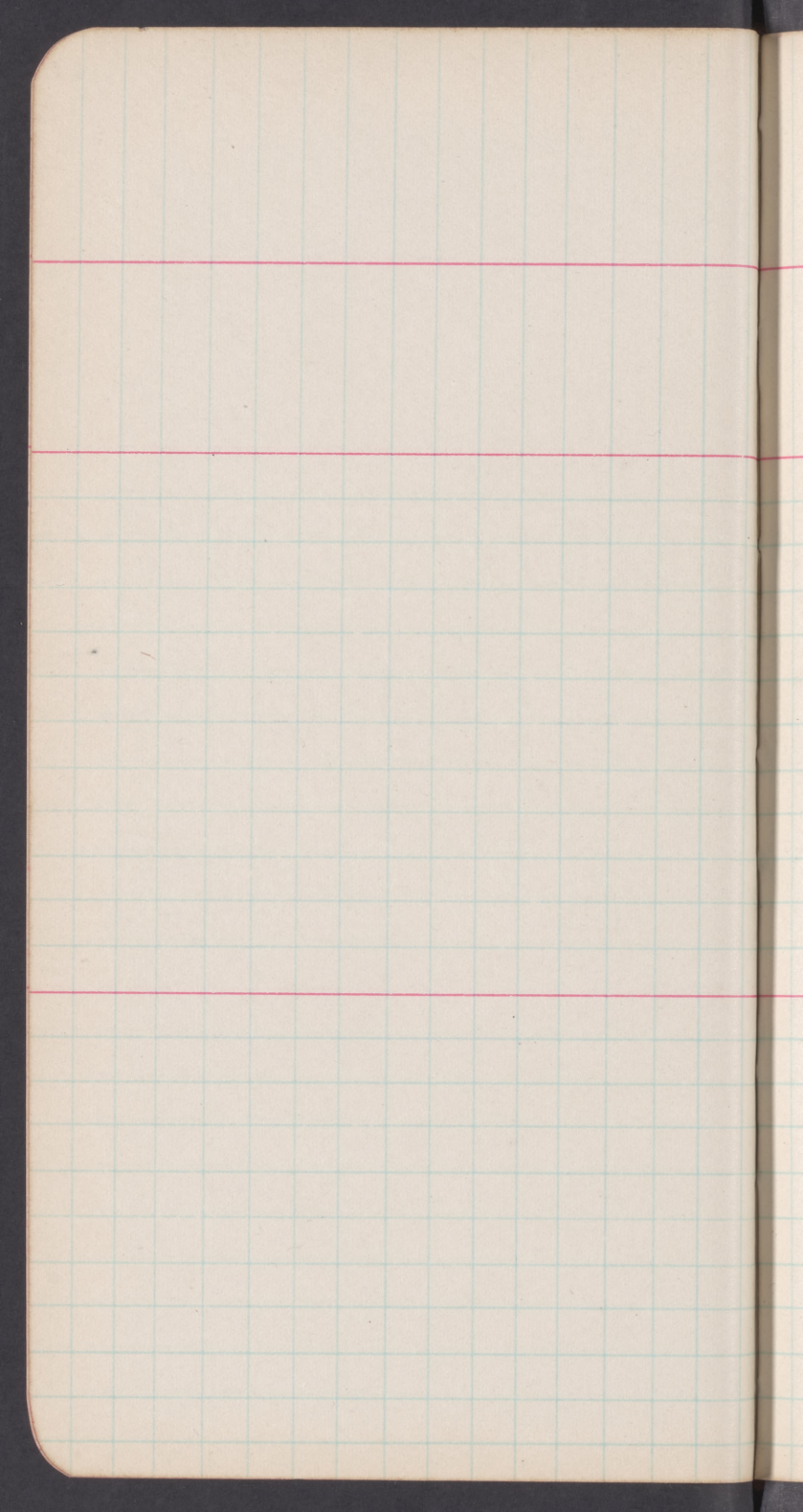


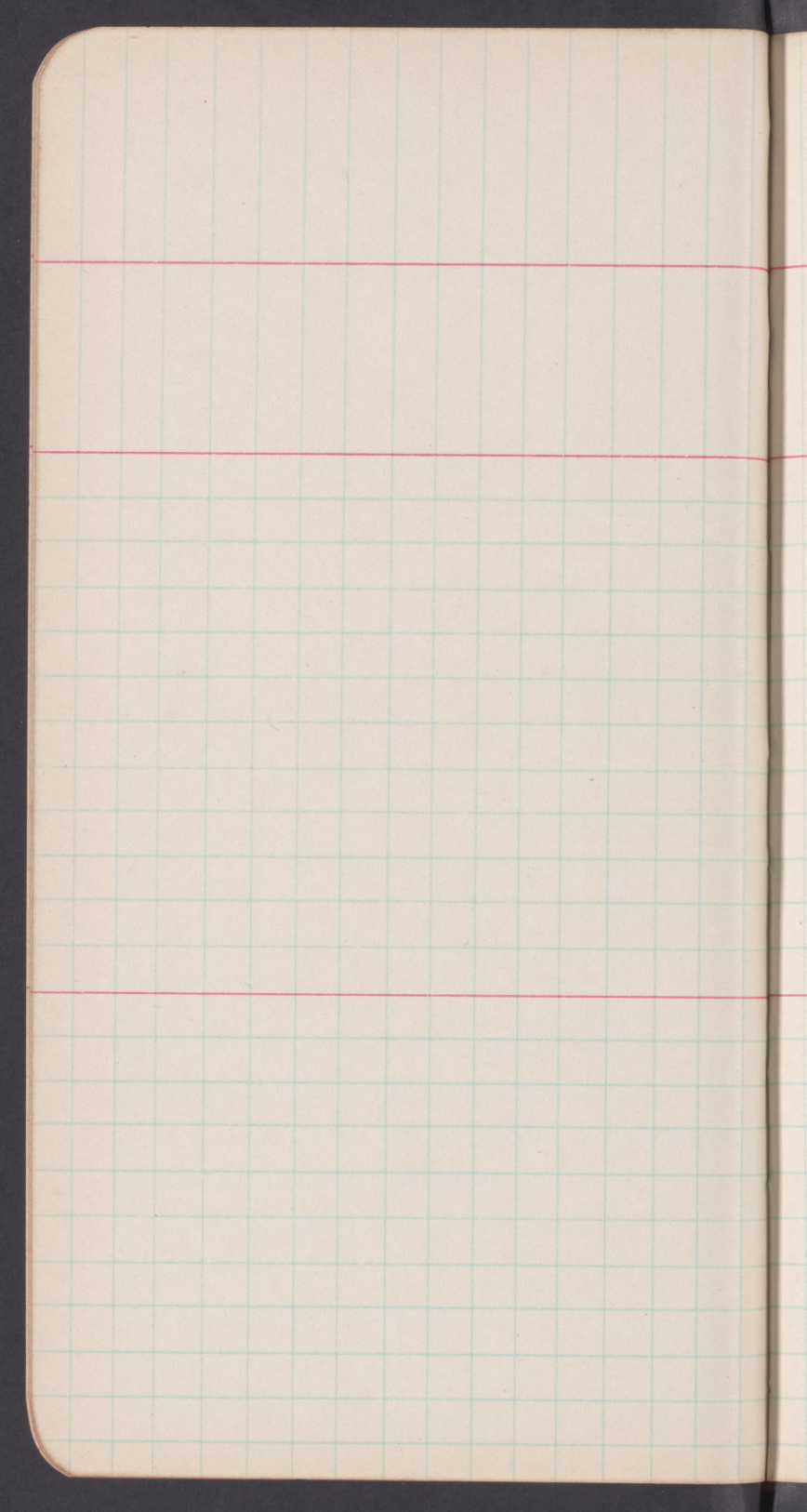


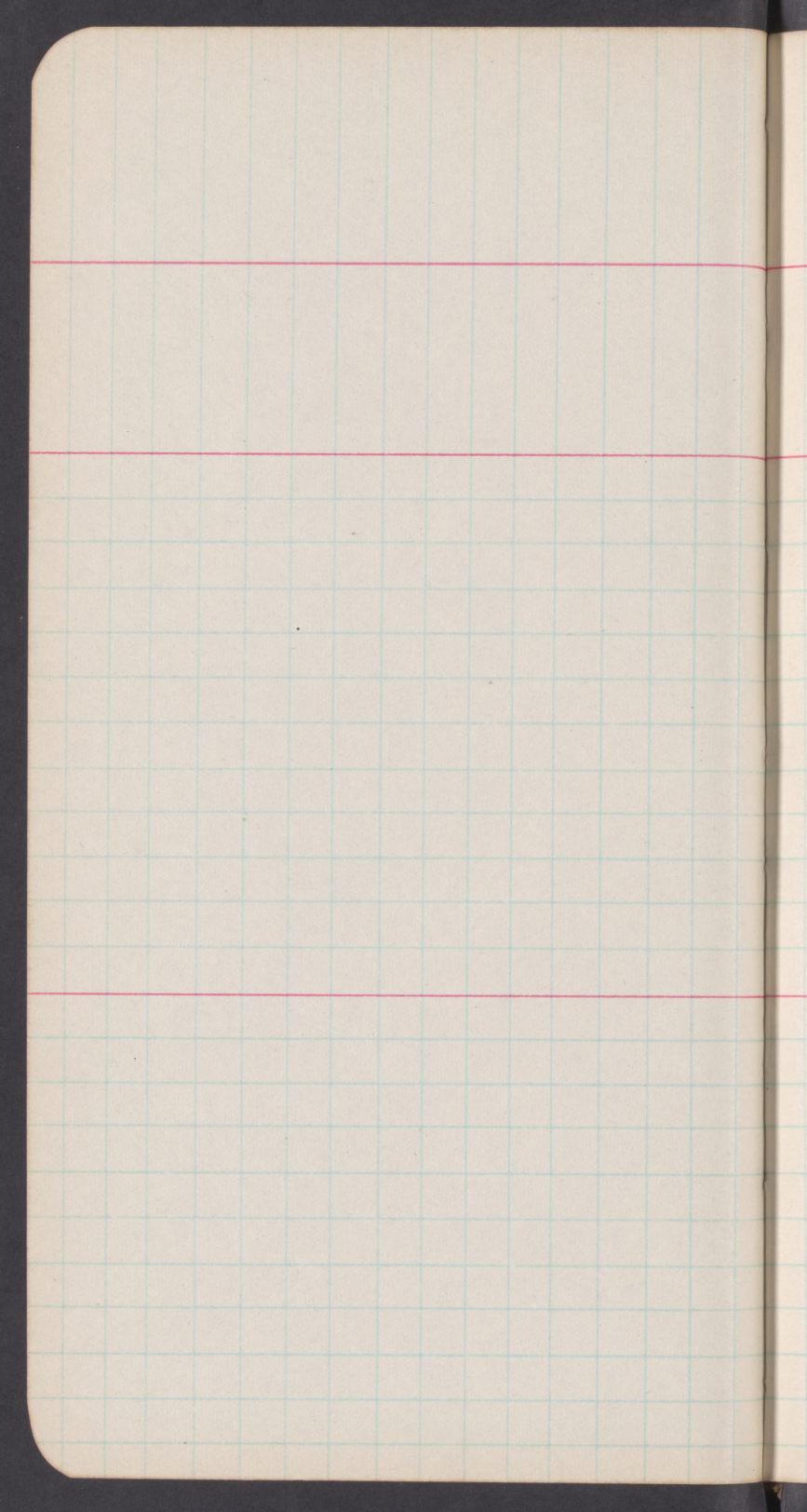


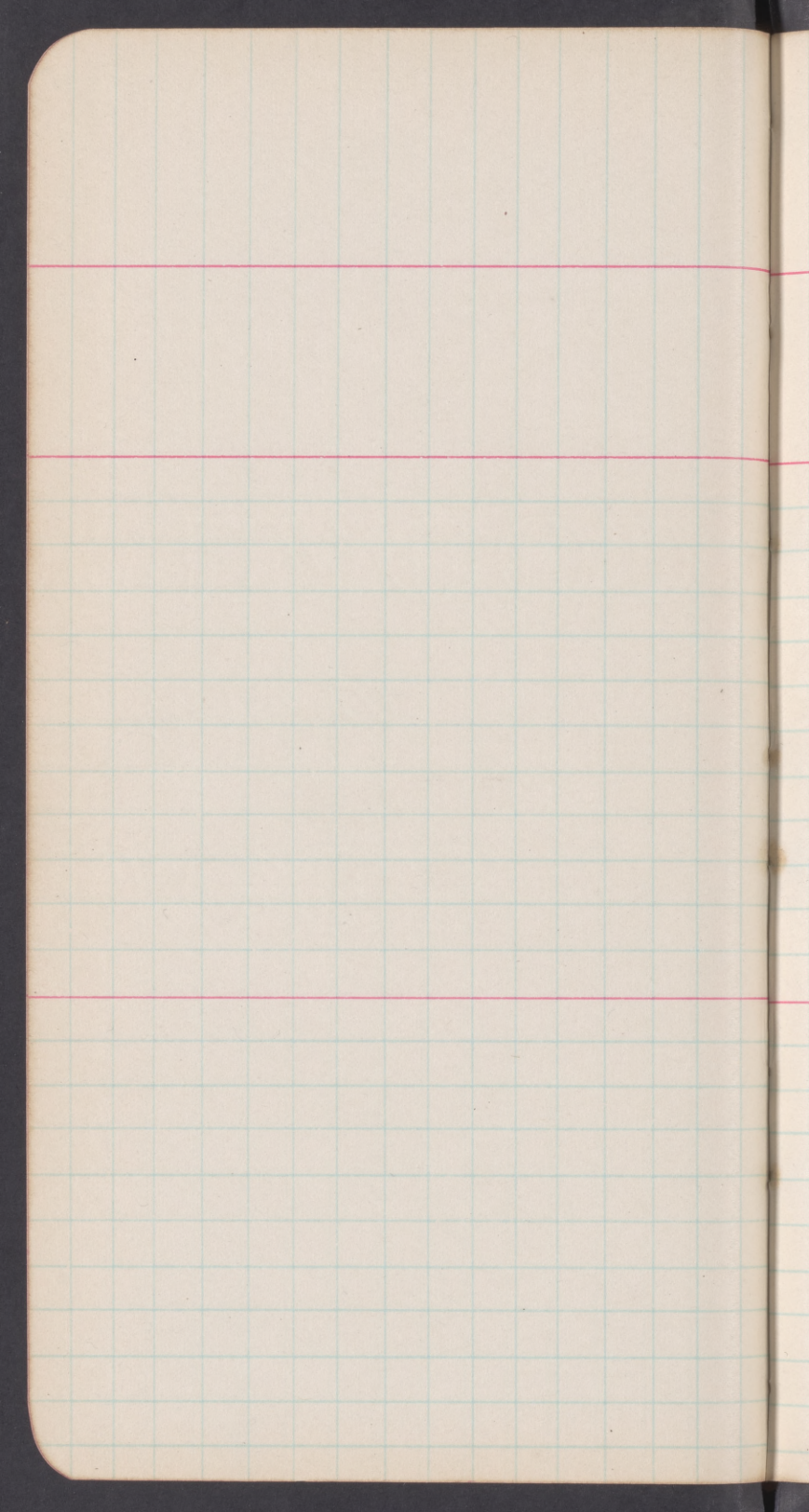


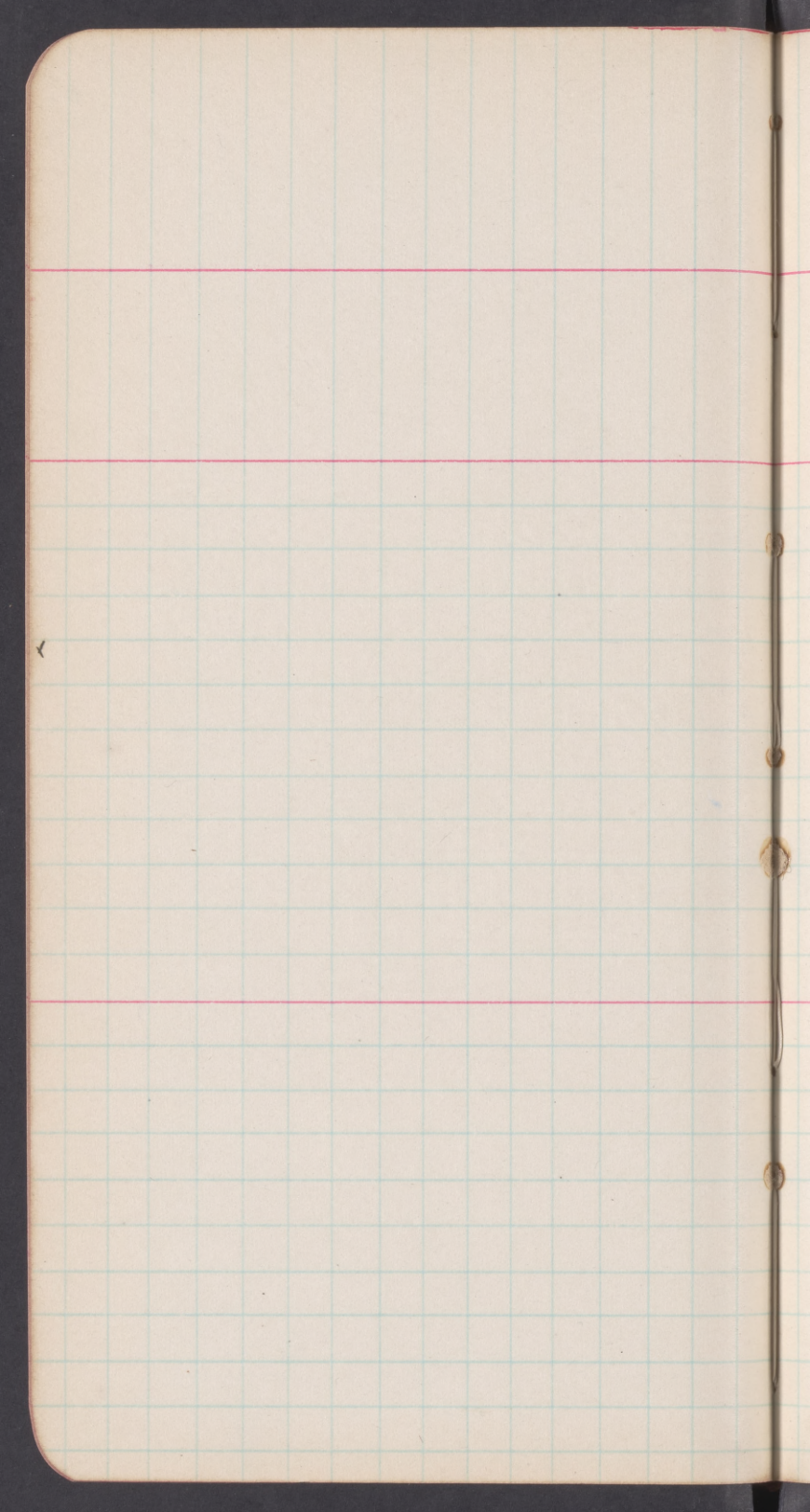


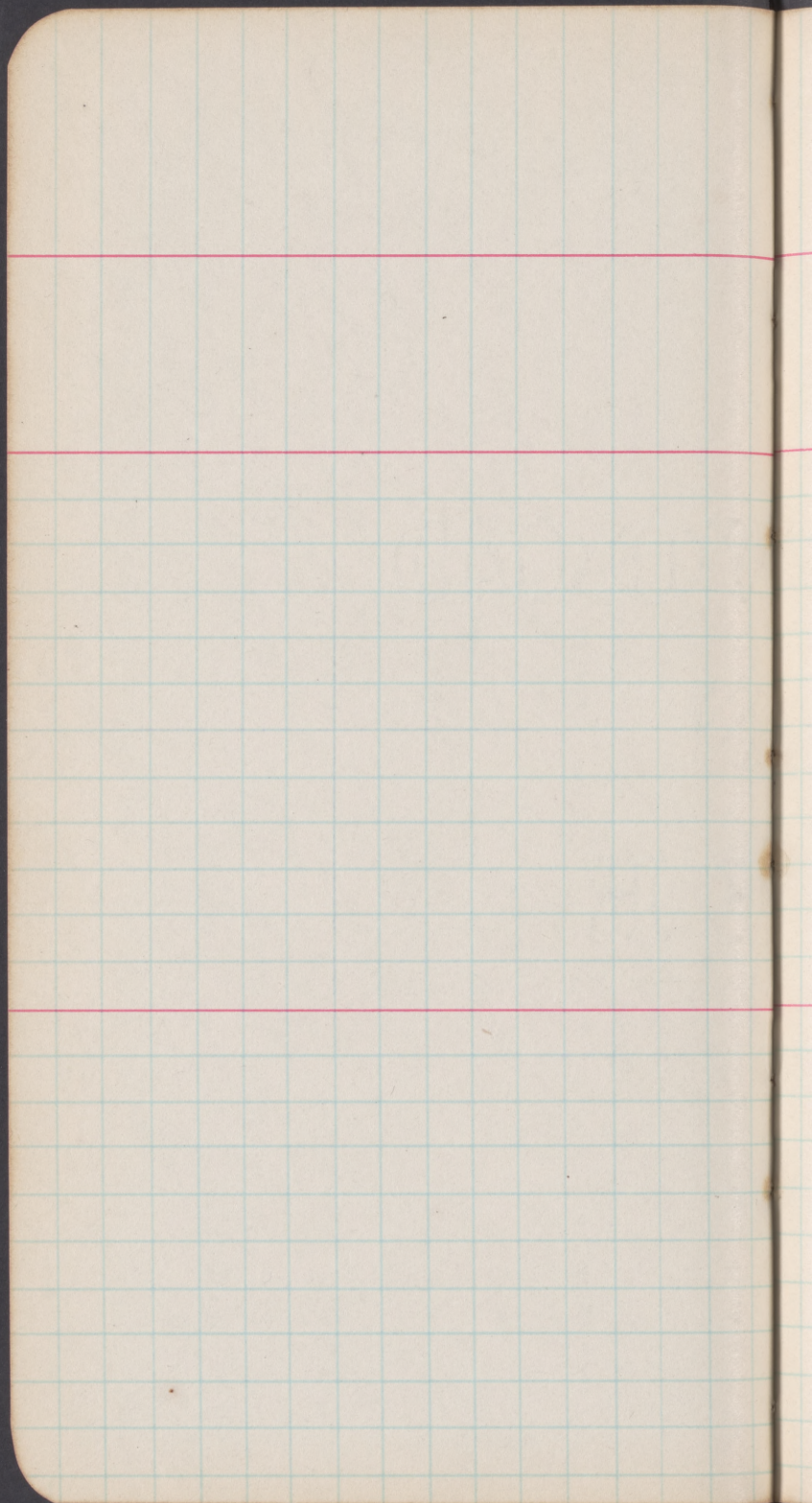


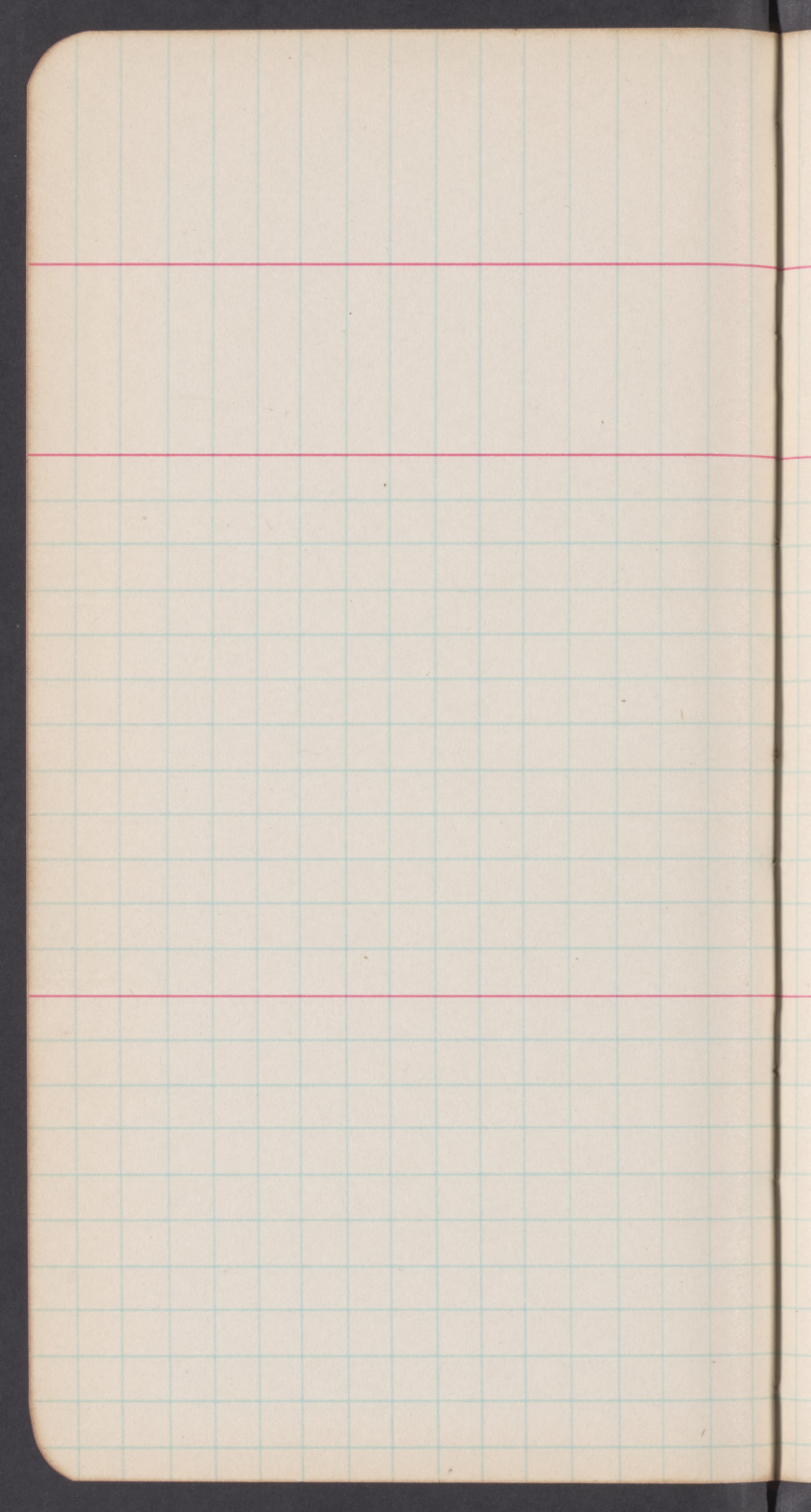












Sta

T. R.

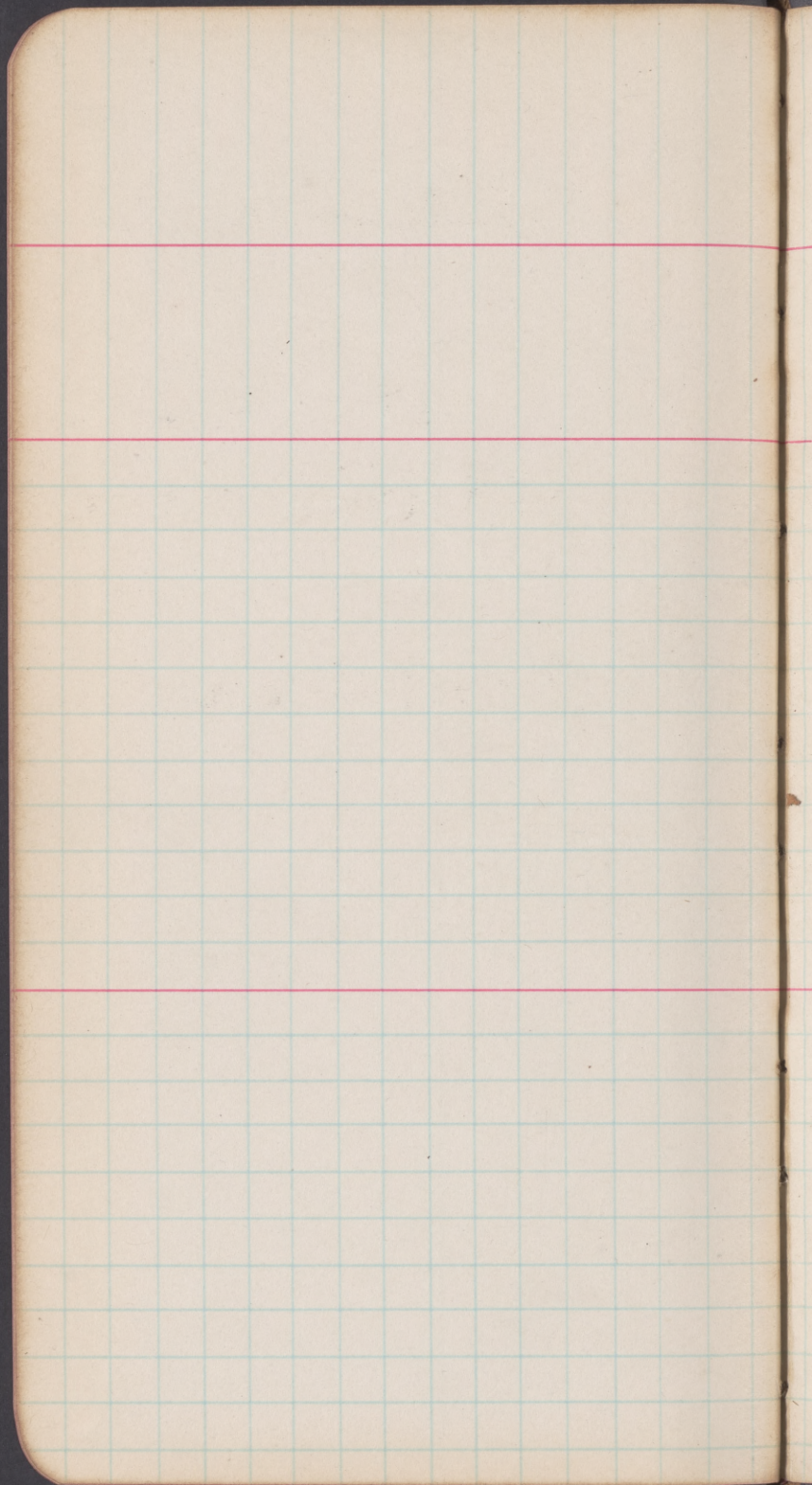
Elw

+

-

B. M

Sta



Petaluma

Spur at Keelport
(old Hot rocks)

2850

wt steel not given

Buller

A - 1599

B - 530

O.S. 2639+99

5620 + 52^s
52^m
5624 + 88^s (20)
65^m
O.S. 2625 + 52^s
65^m
2625 + 58^s
56^m (10)
2623 + 99^s

S.O. Spur San Rafael
350 Tls ft to S.O.

Sherwood E T
laid to End Tls
2^d San Joaquin

Sta 144 + 50 June 30

65[#] Steel from
end of track
back to (approx)
Sta

Hesperus Siding
784 ft 65[#] steel
Leads 75[#] 240' ±

Lbr. Yd. Spur - Navato ?

$$\begin{array}{r} 25 \\ 14 \\ \hline 100 \\ 25 \\ \hline 12 \overline{) 350} \quad (29.2 \\ \underline{40} \\ 110.0 \\ \underline{108} \\ 20 \end{array}$$

set line at
1st creek beyond
Ackerman Creek
2nd of which

Sherwood
spe sun except
corral spur which
has stub

(82)

943

180

180
35

216
216

376

125

250

91

376

125

251

502

2475

159

160

319

3254

28814

7

5144

2495

2649

288

32

520

61

122

344

181

24

16

80

120

57

238

151

87

44

11

10

240

216

344

12

12

12

72

162

234

72

120

72

84

114

57

72

1374 + 12

2

1871 + 74

1

516

168

66

102

165

470

133

10

